

REPORTER'S RECORD
VOLUME 36 OF 36 VOLUMES
TRIAL COURT CAUSE NO. 0885306D

THE STATE OF TEXAS	X	IN THE DISTRICT COURT
VS.	X	TARRANT COUNTY, TEXAS
BILLY JACK CRUTSINGER	X	213TH JUDICIAL DISTRICT

EXHIBITS

FILED IN
COURT OF CRIMINAL APPEALS

AUG 26 2004

Troy C. Bennett, Jr., Clerk

ORIGINAL

APPEARANCES

HONORABLE MICHELE HARTMANN

and

HONORABLE LISA CALLAGHAN

Assistant District Attorneys

401 W. Belknap

Fort Worth, Texas 76196

Phone: (817) 884-1700

SBOT NO.09167800

SBOT NO. 0116700

FOR THE STATE

HONORABLE WILLIAM H. RAY

5041 Airport Freeway

Fort Worth, Texas 76117

Phone: 817-831-8383

And

HONORABLE TIM MOORE

115 West 2nd Street

Suite No. 202

Fort Worth, Texas 76102

817-332-3822

SBOT NO. 16608700

SBOT NO. 14378300

FOR THE DEFENDANT

EXHIBIT INDEX FOR VOLUME 36
DEFENDANT'S EXHIBITS

No.	Description	Offered	Received	Vol.
1	Search Warrant and Affidavit	7	7	24
2	Box	175	175	28
3	Medical Records	55	55	29
4	Search Warrant and Affidavit	158	158	28
5	Copy of page from Penal Code	23	23	30
6	Handwritten Note	108	108	32
6-A	Handwritten Note	110	110	32
7	Handwritten Note	108	108	32
7-A	Handwritten Note	110	110	32
8	Videotape	135	136	32
9	Defendant's Records from John Lindsey State Jail	177	177	32
10	Defendant's Records from Birdville ISD	177	177	32

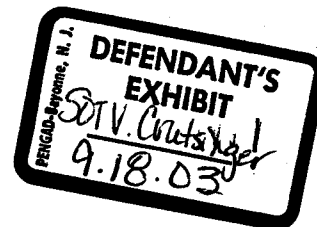
SEARCH WARRANT

SW-11397

CITY OF FORT WORTH)(

COUNTY OF TARRANT)(

STATE OF TEXAS)(



THE STATE OF TEXAS to the Sheriff or any peace officer of Tarrant County, Texas, or any peace officer of the State of Texas,

GREETINGS:

WHEREAS, the affiant, J.T. McCaskill I.D. 1895, of the Fort Worth Police Department, whose signature is affixed to the affidavit appearing on the reverse hereof is a peace officer under the laws of Texas and did heretofore this day subscribe and swear to said affidavit before me (which said affidavit is by this reference incorporated herein for all purposes), and whereas I find that the verified facts stated by affiant in said affidavit show that affiant has probable cause for the belief he expresses therein and establishes the existence of proper grounds for the issuance of this warrant:

NOW, THEREFORE, you are commanded to forthwith transport Billy J. Crutsinger to an appropriate facility and there have qualified personnel to obtain epithelial cell samples from Billy J. Crutsinger in accordance with accepted medical practices and you will seize the same and bring before me a Schedule of Evidence Seized at my office, situated in Tarrant County, Texas, in the City of Fort Worth at the address given below, within three days, exclusive of the day of its execution, with your return thereon, showing how you have executed the same.

HEREIN FAIL NOT and due return make hereof to me at the time and place named.

ISSUED at 10:35 o'clock, A.M., on this the 26 day of Aug 2003, to certify which witness my hand this day.

FILED
THOMAS A. WILDER, DIST. CLERK
TARRANT COUNTY, TEXAS

AUG 26 2003

Time 10:40
By CS Deputy

Judge, Tarrant County, Texas

Judge, COC #1
Title and Office

AFFIDAVIT TO SEARCH FOR AND SEIZE EVIDENCE

CITY OF FORT WORTH)(

FILED
THOMAS A. WILDER, DIST. CLERK
TARRANT COUNTY, TEXAS
Page 1 of 4

COUNTY OF TARRANT)(

STATE OF TEXAS)(

AUG 26 2003

Time 10:40
By [Signature] Deputy

Before me, the undersigned authority, on this day personally appeared Affiant, John McCaskill, a police officer for the Fort Worth Police Department, for the City of Fort Worth, Tarrant County, Texas, who after being duly sworn on oath deposes and says: My name is J.T. McCaskill, 1895, Detective, Fort Worth Police Department, and I have good reason to believe and do believe that on or about the 6th day of April, 2003, in Tarrant County, Texas Billy J. Crutsinger, white male, date of birth October 5th, 1954, did then and there commit the offense of Capital Murder(multiple victims) in that he did then and there intentionally cause the death of an individual, Patricia Syren stabbing her multiple times with a knife or cutting instrument and by cutting her throat and did then and there cause the death of an individual, Pearl Magouirk by stabbing her multiple times with a knife or cutting instrument and cutting her throat and both murders were committed during the same criminal transaction. My belief is based upon the following facts and information which I personally discovered or which were told to me by persons who were credible and reliable:

- A. On April 8, 2003 at approximately 1913 hours you affiant, assigned to the Fort Worth Police Department Homicide Unit, was contacted by police communications. Your affiant was advised a double homicide was discovered at 2716 Scott Avenue, Fort Worth, Tarrant County, Texas. Affiant responded to the scene, arriving at approximately 1940 hours.
- B. Affiant noted that several marked patrol cars and uniformed police personnel were on the scene. Yellow crime scene tape was stretched across the front yard of 2716 Scott Avenue. Your affiant's attention was directed to a white female at the scene identified as April Syren. Affiant learned that she was the goddaughter of Patricia Syren, whom affiant learned was one of two deceased elderly female victims who were located inside the house. Affiant learned from uniformed patrol personnel on the scene and/or April Syren that April Syren had come to the residence to check on the welfare of her godmother, Patricia Syren and Patricia Syren's mother, Pearl Magouirk. Your affiant learned from uniformed patrol personnel that April Syren had told them the following: that when she arrived at the residence, she approached the front door and noted the storm door was unlocked and the keys were inside the lock. The front door, situated behind the storm door, was locked. Syren took the keys from the inside lock of the storm door and unlocked the front door with it and opened it. She then observed items on the floor that made it appear that some type of disturbance had occurred. Affiant learned that April Syren told uniformed police personnel on the scene that she then went to a neighbor, Robert Greer, and requested assistance. Mr. Greer entered the residence and observed apparent blood on the floor of the entryway just inside the front door; he then observed the bodies of Patricia Syren and Pearl Magouirk, whom he knew, and had last seen alive April 6, 2003, lying in a hallway adjacent to the living room of the residence. Mr. Greer then exited the residence and emergency personnel were called to the scene. Uniformed officers from the Fort Worth Police Department responded and established contact with your affiant, to whom they related this information. Affiant also noted that the information from April Syren and Mr. Greer appeared to be consistent with each other and with information obtained from police personnel on the scene and with affiant's own observation of the scene, and therefore appeared to be credible and reliable.

COUNTY OF TARRANT)(

STATE OF TEXAS)(

- C. Your Affiant then spoke to Crime Scene Search Officers Wilson and Walles, who are with the Fort Worth Police Department and are personally known to your Affiant. Your Affiant and these officers then went in the residence to begin the investigation. The investigation revealed that both victims in the house, Patricia Syren and Pearl Magouirk, had multiple stab wounds and their throats were also cut. Their deaths appeared to be contemporaneous, given their similar wounds and that one body appeared to be next to and on top of the other. It also appeared from the state of decomposition that the victims had been dead at least 24 hours. Your Affiant also learned during the investigation that a 1996 Cadillac was missing from the detached garage behind the Scott Avenue residence, and that this vehicle belonged to Patricia Syren. Patrol Personnel conducted a database check and found the license number of the vehicle. A broadcast was made through police communications in reference to the stolen vehicle. Police personnel were then notified that the vehicle was found abandoned in the parking lot at a bar at 3116 North Main, Tarrant County, Texas. It was processed for physical evidence and a significant amount of blood was located in the interior of the vehicle. The previous information was relayed to your affiant by Fort Worth Police personnel.
- D. Your Affiant, while in the residence on Scott Avenue observed numerous drops of blood in the entrance way to the house, in the living room and in the dining room of the house, which is adjacent to the hallway where the bodies were found. Your affiant observed drops of blood leading from the dining room into the kitchen and leading to a kitchen drawer containing towels. The trail appeared to stop at that point. Your affiant also observed in the detached garage where the Cadillac was kept a significant amount of blood on the floor in the approximate location where the driver's side door would be located in a car parked in that garage. This information led your affiant to believe that the person responsible for the victim's deaths was injured.
- E. In the house, Affiant also observed that a light was flashing on the telephone base. The telephone was located in the hall where the bodies were found. Affiant noted this light indicated messages were left on the answering machine feature of the phone. Affiant listened to these messages. One was a message for Patricia Syren from an individual named "Tony" asking her to verify some charges on her Morgan Stanley Mastercard Account. "Tony" left a telephone number for the victim to return his call. Affiant called this number and was able to reach personnel that told affiant this was a third party fraud detection service contracted with Mastercard. Affiant learned from this service that numerous charges had been made on the victim's card in the last 48 hours. Affiant also learned that a hotel room at the Seahorse Inn in Galveston, Texas was rented using the card in the early morning hours of April 8, 2003, and at a liquor store on the evening of April 8, 2003. Affiant then surmised that given the state of decomposition of the victims and the fact that Mr. Greer had last seen them on Sunday, April 6, 2003 at their home, that someone else had been using Patricia Syren's credit card. Affiant notified Sgt. J.D. Thornton of these facts. Sgt. Thornton subsequently contacted the Galveston Police Department and notified them of these facts. Your Affiant and Det. M.M. Hardy, ID #2151, then proceeded to Galveston, Texas.
- F. Affiant then learned as follows from Police Officers of the Galveston, Texas Police Department: that Officer Simpson, a police Officer with the Galveston Police Department, proceeded to the Seahorse Inn and spoke with the night manager, Daniel Teo, who was personally known to them. Officer Contenta of the Galveston Police Department also arrived and spoke with Mr. Teo. They discovered that Patricia Syren's credit card had been used by a white male to rent room number 101. This person identified himself on the

CITY OF FORT WORTH)(

Page 3 of 4

COUNTY OF TARRANT)(

STATE OF TEXAS)(

registration card as "David Jones". Mr. Teo told Officer Contenta that the person renting this room had arrived by Yellow Cab and appeared to have been drinking at Club 23, which is located in the same building as the nearest Yellow Cab stand. The Officers went to Room 101, which appeared to have been abandoned as there were no personal possessions in the room and the key had been left inside. However, a Lay's potato chip bag with a residue of chili and cheese had been left inside the room. The Officers were aware of which nearby convenience stores served food of that nature. Officer Simpson then went to the Diamond Shamrock convenience store, close to the Seahorse Inn, and talked to the store clerk, Loretta Rouse, who stated that a white male had tried to purchase a chili cheese dog and chips with a credit card, but the credit card had been declined. The clerk then stated that the male paid in cash and left. She described the man with the card as a white male, 25-35 y.o.a., with a yellow shirt. Officer Contenta proceeded to the Yellow Cab stand, where he spoke to the dispatcher. She indicated they had a person walk in and requested service at 1:19 a.m. according to their log. The dispatcher broadcast this information in an attempt to learn who had picked up this fare. The individuals who would have personal knowledge of this were not on duty at the time and so the officers agreed to return and pursue this information later. Officer Simpson notified Affiant's Police Department of this information

G. Officer C. Garcia Jr. of the Galveston Police Department was notified at approximately 11:15 the next morning that Driver Donald Epps of Yellow Cab wanted to speak to him. Mr Epps, who was known to him, related he had picked up a fare fitting the suspect description at the Waffle House on 61st Street and had taken him to Tony's Lazy Lounge. This person was a white male in a white Joe's Crab Shack tee shirt, blue jeans, a red hat, glasses who said he was from Dallas, Texas. Mr. Epps also passed on information from another cab driver that he had driven the same individual to the Elbow Room. Both of these bars were on Galveston Island. Officer C. Garcia III of the Galveston Police Department then went to these bars in an attempt to locate the suspect. He and other Galveston officers went to the Elbow Room, but no one was there. They notified the bartender of the description of their suspect. While at another bar, the bartender at the Elbow Room called to say she remembered seeing the individual in question, and that he was a white male in his mid-forties, with wavy gray hair, about 220-250 lbs. with a pot-belly, and dressed in blue jeans, the Joe's Crab Shack tee-shirt and brand new white tennis shoes. Officer Garcia then remembered that he had seen a man fitting that description shortly before when he had looked in Tony's Lazy Lounge, but had discounted him because he seemed too old. Officer and because he had been told by the bartender that person was a "regular". Officer Garcia III returned to Tony's Lazy Lounge and saw Billy Jack Crutsinger in the bar. Mr. Crutsinger appeared to be in his mid-forties, with wavy gray hair, wearing a Joe's Crab Shack tee-shirt, new-looking white tennis shoes and blue jeans. He also appeared to have a fairly recent cut on his finger. Officer Garcia III asked him his name, and he refused to answer and cut his eyes towards the door. It appeared as though he was looking for an exit to Officer Garcia III. Officer Garcia III then detained this individual.

H. That your affiant is requesting that a search warrant be issued to collect epithelial cell samples (buccal swabs) from Billy J. Crutsinger for the purposes of making a DNA comparison with Crutsinger's DNA and blood left on the scene of this offense that your affiant believes was left by the actor. Your affiant is aware that modern scientific testing procedures are available that will allow this comparison to be made. Your affiant further believes such testing is necessary in the investigation of this offense.

CITY OF FORT WORTH)(

COUNTY OF TARRANT)(

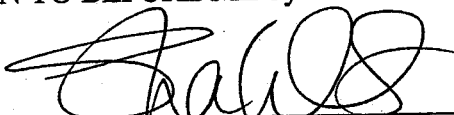
STATE OF TEXAS)(

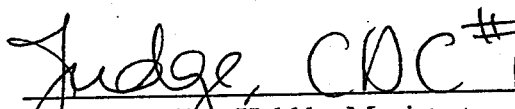
WHEREFORE, I ask this Court to Order, 1) the Sheriff of Tarrant County to make Billy Jack Crutsinger, presently housed in the Tarrant County Jail, available to appropriate personnel for the purpose of taking buccal cell samples from the interior of his cheeks in accordance with accepted medical practices.

WITNESS BY SIGNATURE this the 26th day of August, 2003.


Affiant

SUBSCRIBED AND SWORN TO BEFORE ME by said affiant on this the 26 day of Aug, 2003.


Magistrate in and for Tarrant County Texas


Title and Office Held by Magistrate

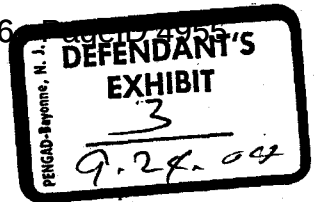
DEFENDANT'S EXHIBIT NO. 2

Box

Available from District Clerk upon request.

ME-79 GPC-2040
REV. 1/01

OFFICE OF THE CHIEF MEDICAL EXAMINER
TARRANT COUNTY MEDICAL EXAMINER'S DISTRICT
200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104-4949
(817) 920-5700 FAX (817) 920-5714



CHAIN OF CUSTODY FORM

Date of submission 4/14/03
Offense Number 03038339
Crime Lab Number _____
Victim Name Pearl Mayourb
Contact Person & Phone Number: _____

Date of Offense 4/8/03
M.E. I.D. Number 0303340
Type of Offense Homicide
Suspect Name Related ch#
Agency Name and Address: 0303339
Ft. Worth PD

Ex. No.	Quant.	Description of Articles
13		Blood - Periodium
14		Blood - Jemeral
15		Fingerprints + Palm prints
16		Blood Card
17		Tissue In formalin
18		Criminologic Evidence
18.1		Vaginal Smear
18.2		Oral Smear
18.3		Oral Smear
18.4		Vaginal Swabs
18.5		Oral Swabs
18.6		Oral Swabs
18.7		Per-Oral Swabs
18.8		Pulled Scalp Hair
18.9		Plucked Pubic Hair
18.10		Pulled Scalp Hair
19		Clothing
19.1		Blue Jeans
19.2		White, Bloody Bra
19.3		White, Bloody T-Shirt
19.4		Tan Undie
19.5		Pair of Tan Bloody Shoes
19.6		Left Blood Stain Tennis Shoes

SPECIAL REQUESTS: 19.7 Light Blue Nightie - Bloody
20 Redden Tube Blood
21 Blood - EDTA

ME-79 GPC-2040
REV. 1/01OFFICE OF THE CHIEF MEDICAL EXAMINER
TARRANT COUNTY MEDICAL EXAMINER'S DISTRICT
200 FELIX GWOZDZ PLACE
FORT WORTH, TEXAS 76104-4949
(817) 920-5700 FAX (817) 920-5714

CHAIN OF CUSTODY FORM

Date of submission 4/14/03
 Offense Number 03038339
 Crime Lab Number _____
 Victim Name Patricia Syren
 Contact Person & Phone Number: _____

Date of Offense 4/8/03
 M.E. I.D. Number 0303339
 Type of Offense Homicide
 Suspect Name _____
 Agency Name and Address: _____

FW PD

Ex. No.	Quant.	Description of Articles
14		Blood - Chest Cavity
15		Blood - Femoral
16		Tissue In Formalin
17		Fingerprints & Palm prints
18		Criminalistic Evidence
18.1		Blood - Red Top Tubes
18.2		Blood - Purple Top Tubes
18.2		Oral Smear
18.4		Vaginal Smear
18.5		Oral Smear
18.6		Oral Smears
18.7		Vaginal Smears
18.8		Oral Smears
18.9		Peri. Oral Smears
18.10		Pulled Pubic Hair
18.11		Combed Pubic Hair
18.12		Pulled Scalp Hair
19		Clothing
19.1		Light Blue Shorts (Bloody)
19.2		Grey Blood T-Shirt
19.3		Iron Bra (Bloody)
19.4		Iron Panties (Bloody)
19.5		Left White Tennis Shoe (Bloody)

SPECIAL REQUESTS:

20 Blood Card

OFFICE OF THE CHIEF MEDICAL EXAMINER
TARRANT COUNTY MEDICAL EXAMINER'S DISTRICT
200 FELIX GWOZDZ PLACE
FORT WORTH, TEXAS 76104-4949
(817) 920-5700 FAX (817) 920-5714

Date of submission 7-16-03

Crime Lab Number (D303339) ^{D3033}

Victim Name Syren, Patricia (Magovick, Pearl)

Det. John McCaskill 817-877-8225

(For Michelle Hartmann, DA's Office)

Date of Offense 4-8-03

Type of Offense Capital Murder

Suspect Name Crutsinger, Billy J.

FWOD 350 W. Belknap St.

Ft. Worth, Tx 76102

SPECIAL REQUESTS:

200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104-4949
817-920-5700 FAX 817-920-5713
CHAIN OF CUSTODY FORM

Contact Name & Phone Number:

[illegible]

BLOOD SWATCHES

0303339
CW

M. E. Number	Drs. Int.	Date	For Laboratory Use
0303313			
0303315			
0303323			
0303326			
0303328			
0303337			
0303338			
0303339			-retained frozen 6/26/03 CW
0303340			-retained frozen 6/26/03 CW
0303341			
0303351			
0303389			
0303401			
0303404			
0303407			
0303430			
0303436			
0303438			
0303439			
0303440			

Received By:

CND

#:

415-03

200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104-4949
817-920-5700 FAX 817-920-5713
CHAIN OF CUSTODY FORM

Date of Submission: _____
Date of Offense: _____
Crime Lab Number: 0303339 & 0303340
ME Number: _____
Agency, Address & Phone Number: _____

Offense Number: 03038339
Type of Offense: Homicides
Victim: Patricia Syren / Pearl Magnivile
Suspect(s): Billy Crutsinger
Contact Name & Phone Number: _____

Contact Name & Phone Number:

[illegible]

Date of Submission 27 Aug 03
Offense Number 03038339
Type of Offense Homicides
Date of Offense _____
Agency & Address: FWPD, 350 W. Belknap St.,
Ft. Worth, Tx. 76102

T.C.M.E. Number 03 03339
Victim Name Patricia Syren
Suspect (s) Billy Cruetsinger
Contact Name & Phone Number:
Det. John McCaskill for Michelle
Hartmann DA's Office

[illegible]

Exhibit # (s) (TCME Use Only)	Date / Time	Relinquished By:	Received By:
52	8-27-03 0948	Print: John McCaskill Sign: Alan McCaskill	Print: C. Van Winkle Sign: C. Van Winkle
52 padding	9/3/03 1339	Print: C. Van Winkle Sign: C. Van Winkle	Print: R67- - 211 Sign: [Signature]
		Print:	Print:
		Sign:	Sign:
		Print:	Print:
		Sign:	Sign:
		Print:	Print:
		Sign:	Sign:
		Print:	Print:
		Sign:	Sign:

REQUESTS: _____

OFFICE OF THE CHIEF MEDICAL EXAMINER
TARRANT COUNTY MEDICAL EXAMINER'S DISTRICT
 200 FELIKS GWOZDZ PLACE
 FORT WORTH, TEXAS 76104-4949
 817-920-5700 FAX 817-920-5713
CHAIN OF CUSTODY FORM

Date of Submission: 8-28-03
 Date of Offense: 4-8-03
 Crime Lab Number: _____
 ME Number: 0303340 *cuw* 0303339
 Agency, Address & Phone Number:
FWPD 350 W. Belknap St., FW Tx 76102
817-847-8225 for TCDA's Office

Offense Number: 03038339
 Type of Offense: Cap. Murder
 Victim: Syren, Patricia / Magavirk, Pearl
 Suspect(s): Crutinger, Billy
 Contact Name & Phone Number:
Det. John McCaskill for Michelle
Hartmann, ADA

Exhibit #	Quantity	Description of Articles	
18.1 & 18.4	<i>few</i>	Vaginal swabs and smear from Pearl Magavirk	
18.2		Oral " " " " " "	
18.3 & 18.6		Anal " " " " " "	
18.7		Perianal swabs from Pearl Magavirk	
18.9		Combed pubic hair " " " "	
<i>cuw</i> 18.8 & 18.10		Pulled " " " " " "	
18.8		Pulled scalp hair " " " "	
19.7 & 18.4		Vaginal swabs and smear from Patricia Syren	
<i>cuw</i> 18.3		Oral " " " " " "	
18.8 & 18.5		Anal " " " " " "	
18.9		Perianal swabs from Patricia Syren	
18.11		Combed Pubic hair " " " "	
Exhibit #	Date/Time	Relinquished By	Received By
	8-28/0935 0940	Print <u>John McCaskill</u> Sign <u>John McCaskill</u>	Print <u>Traci Wilson</u> Sign <u>Traci Wilson</u>
18.1-18.9 3340 18.10	8-28-03 1050	Print <u>T. Wilson</u> Sign <u>T. Wilson</u>	Print <u>C. Van Winkle</u> Sign <u>C. Van Winkle</u>
# 3340 18.1-18.9 18.10	9/8/03 1420	Print <u>C. Van Winkle</u> Sign <u>C. Van Winkle</u>	Print <u>RGH-D. H.</u> Sign <u>RGH-D. H.</u>
F 33339 18.3-18.2	9/8/03 1420	Print <u>C. Van Winkle</u> Sign <u>C. Van Winkle</u>	Print <u>RGH-D. H.</u> Sign <u>RGH-D. H.</u>
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____

0303340
cuw

0303339
cuw

(see page 2 for
chain of custody)

- Page 2 -

Offense Number: 03038339
Type of Offense: Cap Murder
Victim: Soren, Patricia / Maquovink, Pearl
Suspect(s): Crutsinger, Billy

Contact Name & Phone Number:
 Det. John McCaskill for Michelle
 Hartmann, ADA

[illegible]

OFFICE OF THE CHIEF MEDICAL EXAMINER

Case 4:07-cv-00003-NT Document 87-1 Filed 08/18/10 Page 18 of 196 PageID 4964

200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104-4949
817-920-5700 FAX 817-920-5713
CHAIN OF CUSTODY FORM

Date of Submission: 6-26-03
Date of Offense: 4-8-03
Crime Lab Number: _____
ME Number: 0303339 (W)
Agency, Address & Phone Number:
FWPD 817-877-8225
(For Tarrant Co. DA's Office)

Offense Number: 03038339
Type of Offense: Capital Murder
Victim: Patricia Sison / Pearl Magouint
Suspect(s): Billy J. Crutsinger
Contact Name & Phone Number:
Det. John McCaskill 817-877-8225

Exhibit #	Quantity	Description of Articles
21	1	Buccal Swab Kit (from Billy Crutsinger)
22	1	Sealed envelope with:
		8 apparent blood samples and control samples (Items 1-8)
23		4 apparent blood samples and control samples (Items 11-14)
24		2 apparent blood samples and control samples (Items 23-24)
25	1	Sealed sack containing 16 swabs, one sample from drivers door floor, one control (distilled water), one seat belt
30	1	Sealed envelope containing one knife blade
31	1	Sealed box containing 4 white socks, 1 denim shirt, 1 gray T-shirt, 1 white towel, 1 pair cut-off blue jeans, 2 denim cuttings

Exhibit #	Date/Time	Relinquished By	Received By
	6-26-03 1045	Print <u>John McCaskill</u> Sign <u>John McCaskill</u>	Print <u>P. Elashli</u> Sign <u>P. Elashli</u>
21-31	6/26/03 C1445	Print <u>P. Elashli</u> Sign <u>P. Elashli</u>	Print <u>C. VanWinkle</u> Sign <u>C. VanWinkle</u>
Packaging only: 22.8, 24.1, 24.2 23.4	7/1/03	Print <u>C. VanWinkle</u> Sign <u>C. VanWinkle</u>	Print <u>W. Mitchell</u> Sign <u>W. Mitchell</u>
Evidence: 22.8-22.11, 25.11-25.19, 32 23.5-23.8 24.3-24.4 25.1-25.5	26-31	Print <u>C. VanWinkle</u> Sign <u>C. VanWinkle</u>	Print <u>C. VanWinkle</u> Sign <u>C. VanWinkle</u>
25.6-25.10 Packaging only	9/23/03 0945	Print <u>C. VanWinkle</u> Sign <u>C. VanWinkle</u>	Print <u>MC Ball 2809</u> Sign <u>MC Ball 2809</u>
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____

200 FELIKS GWOZDZ PLACE

817-920-5700 FAX 817-920-5713

CHAIN OF CUSTODY FORM

Date of Submission: 7-8-03

Date of Offense: 4-8-03

Crime Lab Number: 0303339 *1000*

ME Number: _____

Agency, Address & Phone Number: _____

Ft. Worth Police Dept. (817) 877-8225

for Tartant Co. D.A. Office

Michelle Hartmann

Offense Number: 03038339

Type of Offense: Capital Murder

Victim: Patricia Suren / Pearl Magovirk

Suspect(s): Billy J. Crutsinger

Contact Name & Phone Number:

Det. John McCaskill

(817) 877-8225

[illegible][illegible]

CERTIFICATE OF ANALYSES

OFFICE OF CHIEF MEDICAL EXAMINER
CRIMINALISTICS LABORATORIES
200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104

NIZAM PEERWANI, M.D., DABFP
CHIEF MEDICAL EXAMINER
RONALD L. SINGER, M.S.
CRIME LABORATORY DIRECTOR

FORENSIC BIOLOGY / DNA LABORATORY

NAMES: Patricia Syren
Pearl Magouirk

CRIME LAB #: 0303339
Related Crime Lab #: 0303340

OFFENSE: Homicides

PRIORITY: 1

REQUESTED BY: Detective John McCaskill
Michele Hartmann – T.C.D.A.

Fort Worth P. D. Service #: 03038339

DATES OF REQUEST: June 26, July 8 & 16, August 27, 2003

DATE OF COMPLETION: September 3, 2003
Previous Report: July 23, 2003

DNA ANALYST: Carolyn Van Winkle

EVIDENCE RECEIVED:

Received from the Tarrant County Medical Examiner (T.C.M.E.) Morgue on April 15, 2003:

16 (0303340): Autopsy blood sample (FTA) – Pearl Magouirk
20 (0303339): Autopsy blood sample (FTA) – Patricia Syren

Received from the T.C.M.E. Evidence Custodian on June 26, 2003:

19.1 (0303340): Jeans (autopsy clothing) in a sealed sack
19.3 (0303340): White top (autopsy clothing) in a sealed sack

19.1 (0303339): Blue shorts (autopsy clothing) in a sealed sack
19.2 (0303339): Light gray T-shirt (autopsy clothing) in a sealed sack

Sealed envelope containing #s 22, 23 & 24:

22.1 (0303339): Stained wipe in an envelope labeled "sample #1"
22.2 (0303339): Stained wipe in an envelope labeled "sample #2"
22.3 (0303339): Stained wipe in an envelope labeled "sample #3"
22.4 (0303339): Stained wipe in an envelope labeled "sample #4"
22.5 (0303339): Stained wipe in an envelope labeled "sample #5"
22.6 (0303339): Stained wipe in an envelope labeled "sample #6"
22.7 (0303339): Stained wipe in an envelope labeled "sample #7"
22.8 (0303339): Stained wipe in an envelope labeled "sample #8"
22.9 - 22.16 (0303339): Eight envelopes labeled "control #1", "control #2",
"control #3", "control #4", "control #5", "control #6",
"control #7", "control #8"

23.1 (0303339): Stained wipe in an envelope labeled "sample #11"
23.2 (0303339): Stained wipe in an envelope labeled "sample #12"
23.3 (0303339): Stained wipe in an envelope labeled "sample #13"

CL#: 0303339 / 0303340
September 3, 2003
Page 2

- 23.4 (0303339): Stained wipe in an envelope labeled "sample #14"
23.5 - 23.8 (0303339): Four envelopes labeled "control #11", "control #12",
"control #13", "control #14"
24.1 (0303339): Stained wipe in an envelope labeled "sample #23"
24.2 (0303339): Stained wipe in an envelope labeled "sample #24"
24.3 - 24.4(0303339): Two envelopes labeled "control #23" and "control #24"
Sealed sack containing # 25 from vehicle:
25.1 (0303339): Swab in a sealed envelope labeled "item #1"
25.2 (0303339): Swab in a sealed envelope labeled "item #2"
25.3 (0303339): Swab in a sealed envelope labeled "item #3"
25.4 (0303339): Swab in a sealed envelope labeled "item #4"
25.5 (0303339): Swab in a sealed envelope labeled "item #5"
25.6 (0303339): Swab in a sealed envelope labeled "item #6"
25.7 (0303339): Swab in a sealed envelope labeled "item #7"
25.8 (0303339): Swab in a sealed envelope labeled "item #8"
25.9 (0303339): Swab in a sealed envelope labeled "item #9"
25.10 (0303339): Swab in a sealed envelope labeled "item #10"
25.11 (0303339): Swab in a sealed envelope labeled "item #11"
25.12 (0303339): Swab in a sealed envelope labeled "item #12"
25.13 (0303339): Swab in a sealed envelope labeled "item #13"
25.14 (0303339): Swab in a sealed envelope labeled "item #14"
25.15 (0303339): Swab in a sealed envelope labeled "item #15"
25.16 (0303339): Swab in a sealed envelope labeled "item #16"
25.17 (0303339): Swab in a sealed envelope labeled "item #17"
25.18 (0303339): Swab in a sealed envelope labeled "item #18 control"
25.19 (0303339): Portion of seat belt in a sealed sack labeled "item #19..."
Sealed box containing #s 26 - 31 clothing:
26 (0303339): Sealed sack labeled "#1"
27 (0303339): Denim shirt in a sealed sack labeled "#2"
28 (0303339): Gray T-shirt in a sealed sack labeled "#3"
29 (0303339): Sealed sack labeled "#4"
30 (0303339): "Wrangler" jeans in a sealed sack labeled "#5"
31 (0303339): Sealed sack labeled "#6"
32 (0303339): Bent knife blade in a sealed envelope

Obtained by Carolyn Van Winkle on July 8, 2003 in the presence of Detective John McCaskill:
33 (0303339): Swabs (2) from tile in sack labeled "Item 17A"

Received from the T.C.M.E. Evidence Custodian on July 17, 2003:
51 (0303339): Watch inside sealed sacks / bags

Received from Detective John McCaskill on August 27, 2003:
52: (0303339): Swabs (2) in a sealed envelope labeled "...Crutsinger, Billy
8-27-03..."

CL#: 0303339 / 0303340
September 3, 2003
Page 3

RESULTS:

Presumptive testing for blood was positive on items 19.1 (0303340) jeans, 19.3 (0303340) top, 19.1 (0303339) shorts, 19.2 (0303339) T-shirt, 22.1 - 22.6, 22.9 wipes, 23.1 - 23.4 wipes, 24.2 wipe, 25.6, 25.7, 25.9, & 25.10 swabs, 27 shirt, 28 T-shirt, 30 jeans, and 32 knife.

Testing for the presence of human blood was positive on items 22.7, 22.8, 24.1 wipes, 25.8 swab, 25.19 seat belt, 27T₃ & 27₄ shirt, 30T₂ & 30T₃ jeans and 33 tile swab.

Blood was not detected on item 51 watch.

No analysis was conducted on items 22.10 - 22.16, 23.5 - 23.8, 24.3 - 24.4, 25.1 - 25.5, 25.11 - 25.18, 26, 29, and 31.

Human DNA was recovered and quantified from the following items:

CL# 0303340: 19.1T₁ jeans, 19.3T₁ top & 16 Pearl Magouirk's autopsy blood
CL# 0303339: 19.1T₁ shorts, 19.1T₂ shorts, 19.2T₁ T-shirt, 20 Patricia Syren's autopsy blood, 52 Billy Crutsinger's swabs, 22.7 drawer, 22.8 garage, 24.1 dishwasher, 25.8 steering wheel, 25.19 seat belt, 27T₁- 27T₄ shirt stains, 27T₅ shirt neck swabbing, 30T₁ & 30T₂ jean cutoffs pocket stains, 30T₃, 30T₄ & 30T₆ jean cutoffs stains, 32 knife blade, and 33 tile stain.

The recovered DNA was characterized through Polymerase Chain Reaction (PCR) with analysis of the Amelogenin locus for sex determination and the following Short Tandem Repeat (STR) loci: D3S1358, vWA, FGA, D8S1179, D21S11, D18S51, D5S818, D13S317, and D7S820.

Items from CL# 0303340: 19.1T₁ jeans & 16 Pearl Magouirk's autopsy blood and CL# 0303339: 19.1T₁ shorts, 20 Patricia Syren's autopsy blood, 52 Billy Crutsinger's swabs, 27T₄ shirt stains, 30T₁ & 30T₂ jean cutoffs pocket stains were also characterized at the additional STR loci: D16S539, THO1, TPOX, and CSF1PO.

CONCLUSIONS:

A single male DNA profile that matches the DNA profile obtained from Billy Crutsinger (item 52) was obtained from each of the following items:

CL# 0303340: 19.1T₁ Pearl Magouirk's jeans
CL# 0303339: 19.1T₁ Patricia Syren's shorts, 19.2T₁ Patricia Syren's T-shirt, 22.7 drawer, 22.8 garage, 24.1 dishwasher, 25.8 steering wheel, 25.19 seat belt, 27T₁- 27T₃ shirt stains, 30T₃, 30T₄ & 30T₆ jean cutoffs stains, and 33 tile stain.

CL#: 0303339 / 0303340
September 3, 2003
Page 4

A single female DNA profile that matches the DNA profile obtained from Patricia Syren (item 20) was obtained from items 19.3T₁ (0303340) Pearl Magouirk's top, 19.1T₂ (0303339) Patricia Syren's shorts, and 32 knife blade (0303339).

The DNA profile obtained from the denim shirt left front pocket stain, item 27T₄, is a mixture of DNA from at least two female contributors which correspond to alleles originating from both Patricia Syren (item 20) and Pearl Magouirk (item 16). Billy Crutsinger (item 52) is excluded as a contributor of this DNA.

The DNA profile obtained from the denim shirt collar, item 27T₅, is a mixture of DNA from at least two contributors. The major male DNA profile matches the DNA profile obtained from Billy Crutsinger (item 52). Minor DNA alleles detected at the loci D3S1358, vWA, D21S11, and D13S317 were consistent with having originated from Patricia Syren (item 20). A single minor DNA allele at the locus D8S1179 could not have originated from Patricia Syren, Billy Crutsinger, or Pearl Magouirk.

The DNA profile obtained from the jean cutoffs pocket stain, item 30T₁, is a mixture of DNA from more than two contributors. Male DNA was detected. This mixed DNA profile is consistent with having originated from Pearl Magouirk (item 16), Patricia Syren (item 20), and Billy Crutsinger (item 52). Results at the D18S51 locus were inconclusive.

The DNA profile obtained from the jean cutoffs pocket stain, item 30T₂, is a mixture of DNA from at least two contributors. Male DNA was detected. Alleles that correspond to those of Billy Crutsinger (item 52) were detected at all thirteen loci. Although additional alleles detected at the loci D3S1358, and TPOX correspond to those of Patricia Syren, results at the loci FGA, D8S1179, D21S11 and CSF1PO were inconclusive.

STATISTICAL DATA

The probability of selecting an unrelated individual having the same DNA profile as that obtained from items CL# 0303340: 19.1T₁ Pearl Magouirk's jeans and CL# 0303339: 19.1T₁ Patricia Syren's shorts (which each match Billy Crutsinger's DNA profile) is approximately:

1 in	86,600,000,000,000	in Caucasians
1 in	1,790,000,000,000,000	in African Americans
1 in	243,000,000,000,000	in Southwest Hispanics

Based on the DNA data obtained from the denim shirt left front pocket stain, item 27T₄, [which is consistent with having originated from both Patricia Syren (item 20) and Pearl Magouirk (item 16)], it is expected that at least 99.99% of unrelated individuals in each of the Caucasian, African American, and Hispanic populations are excluded as possible contributors to this mixture.

CL#: 0303339 / 0303340
September 3, 2003
Page 5

Based on the DNA data obtained from the jean cutoffs pocket stain, item 30T₁, [which is consistent with having originated from Patricia Syren (item 20), Pearl Magouirk (item 16), and Billy Crutsinger (item 52)], it is expected that at least 99.8% of unrelated individuals in each of the Caucasian, African American, and Hispanic populations are excluded as possible contributors to this mixture.

CODIS ENTRY:

The DNA profile obtained from item CL# 0303340: 19.1T₁ jeans will be entered into the COMBINED DNA Index System (CODIS), where it will be searched against casework databases (local, state, and national) and convicted offender databases (state and national). In the event of any significant matches, your agency will be notified.

DISPOSITION OF EVIDENCE:

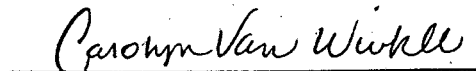
Biology / DNA laboratory: CL#: (0303340) Items 19.1T₂ & 19.3T₂
CL#: (0303339) Items 22.1 - 22.6, 23.1 - 23.4, 24.2, 25.6, 25.7, 25.9, 25.10, 28T₁ - 28T₃ & 30T₅

Remaining items CL# 0303340: 19.1T₁, 19.3T₁, & 16
CL# 0303339: 19.1T₁, 19.1T₂, 19.2T₁, 20, 22.7, 22.8, 24.1, 25.8, 25.19, 27T₁-27T₅, 30T₁-30T₄, 30T₆, 32, 33 & 52

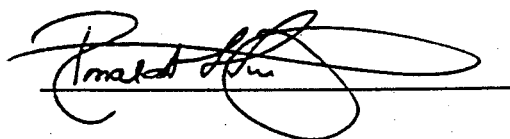
TCME Evidence Custodian: CL#: (0303340): Items 19.1 & 19.3
CL#: (0303339): Items 19.1, 19.2, 22.9 - 22.16, 23.5 - 23.8, 24.3 - 24.4, 25.1 - 25.5, 25.11 - 25.19, 26 - 31 & 51
Packaging only Items 22.1 - 22.8, 24.1, 23.1 - 23.4, 24.2 & 52

For additional inquiries or requests, please contact the DNA laboratory at 817-212-7026.

DNA ANALYST: Carolyn Van Winkle, M.S.



APPROVED BY: Ronald L. Singer, M.S.



CERTIFICATE OF ANALYSES

OFFICE OF CHIEF MEDICAL EXAMINER
CRIMINALISTICS LABORATORIES
200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104

NIZAM PEERWANI, M.D., DABFP
CHIEF MEDICAL EXAMINER
RONALD L. SINGER, M.S.
CRIME LABORATORY DIRECTOR

FORENSIC BIOLOGY / DNA LABORATORY

NAMES: Patricia Syren
Pearl Magouirk

CRIME LAB #: 0303339
Related Crime Lab #: 0303340

OFFENSE: Homicides

PRIORITY: 1

REQUESTED BY: Detective John McCaskill
Michele Hartmann – T.C.D.A.

Fort Worth P. D. Service #: 03038339

DATES OF REQUEST: June 26 & July 8 & 16, 2003

DATE OF COMPLETION: July 23, 2003

DNA ANALYST: Carolyn Van Winkle

EVIDENCE RECEIVED:

Received from the Tarrant County Medical Examiner (T.C.M.E.) Morgue on April 15, 2003:

16 (0303340): Autopsy blood sample (FTA) – Pearl Magouirk
20 (0303339): Autopsy blood sample (FTA) – Patricia Syren

Received from the T.C.M.E. Evidence Custodian on June 26, 2003:

19.1 (0303340): Jeans (autopsy clothing) in a sealed sack
19.3 (0303340): White top (autopsy clothing) in a sealed sack

19.1 (0303339): Blue shorts (autopsy clothing) in a sealed sack
19.2 (0303339): Light gray T-shirt (autopsy clothing) in a sealed sack
21 (0303339): Swabs (2) in a sealed envelope labeled "...Crutsinger, Billy..."
Sealed envelope containing #s 22, 23 & 24:
22.1 (0303339): Stained wipe in an envelope labeled "sample #1"
22.2 (0303339): Stained wipe in an envelope labeled "sample #2"
22.3 (0303339): Stained wipe in an envelope labeled "sample #3"
22.4 (0303339): Stained wipe in an envelope labeled "sample #4"
22.5 (0303339): Stained wipe in an envelope labeled "sample #5"
22.6 (0303339): Stained wipe in an envelope labeled "sample #6"
22.7 (0303339): Stained wipe in an envelope labeled "sample #7"
22.8 (0303339): Stained wipe in an envelope labeled "sample #8"
22.9 - 22.16 (0303339): Eight envelopes labeled "control #1", "control #2",
"control #3", "control #4", "control #5", "control #6",
"control #7", "control #8"

CL#: 0303339 / 0303340
July 23, 2003
Page 2

- 23.1 (0303339): Stained wipe in an envelope labeled "sample #11"
- 23.2 (0303339): Stained wipe in an envelope labeled "sample #12"
- 23.3 (0303339): Stained wipe in an envelope labeled "sample #13"
- 23.4 (0303339): Stained wipe in an envelope labeled "sample #14"
- 23.5 - 23.8 (0303339): Four envelopes labeled "control #11", "control #12",
"control #13", "control #14"
- 24.1 (0303339): Stained wipe in an envelope labeled "sample #23"
- 24.2 (0303339): Stained wipe in an envelope labeled "sample #24"
- 24.3 - 24.4 (0303339): Two envelopes labeled "control #23" and "control #24"
- Sealed sack containing # 25 from vehicle:
 - 25.1 (0303339): Swab in a sealed envelope labeled "item #1"
 - 25.2 (0303339): Swab in a sealed envelope labeled "item #2"
 - 25.3 (0303339): Swab in a sealed envelope labeled "item #3"
 - 25.4 (0303339): Swab in a sealed envelope labeled "item #4"
 - 25.5 (0303339): Swab in a sealed envelope labeled "item #5"
 - 25.6 (0303339): Swab in a sealed envelope labeled "item #6"
 - 25.7 (0303339): Swab in a sealed envelope labeled "item #7"
 - 25.8 (0303339): Swab in a sealed envelope labeled "item #8"
 - 25.9 (0303339): Swab in a sealed envelope labeled "item #9"
 - 25.10 (0303339): Swab in a sealed envelope labeled "item #10"
 - 25.11 (0303339): Swab in a sealed envelope labeled "item #11"
 - 25.12 (0303339): Swab in a sealed envelope labeled "item #12"
 - 25.13 (0303339): Swab in a sealed envelope labeled "item #13"
 - 25.14 (0303339): Swab in a sealed envelope labeled "item #14"
 - 25.15 (0303339): Swab in a sealed envelope labeled "item #15"
 - 25.16 (0303339): Swab in a sealed envelope labeled "item #16"
 - 25.17 (0303339): Swab in a sealed envelope labeled "item #17"
 - 25.18 (0303339): Swab in a sealed envelope labeled "item #18 control"
 - 25.19 (0303339): Portion of seat belt in a sealed sack labeled "item #19..."
- Sealed box containing #s 26 - 31 clothing:
 - 26 (0303339): Sealed sack labeled "#1"
 - 27 (0303339): Denim shirt in a sealed sack labeled "#2"
 - 28 (0303339): Gray T-shirt in a sealed sack labeled "#3"
 - 29 (0303339): Sealed sack labeled "#4"
 - 30 (0303339): "Wrangler" jeans in a sealed sack labeled "#5"
 - 31 (0303339): Sealed sack labeled "#6"
 - 32 (0303339): Bent knife blade in a sealed envelope

Obtained by Carolyn Van Winkle on July 8, 2003 in the presence of Detective John McCaskill:
33 (0303339): Swabs (2) from tile in sack labeled "Item 17A"

Received from the T.C.M.E. Evidence Custodian on July 17, 2003:
51 (0303339): Watch inside sealed sacks / bags

CL#: 0303339 / 0303340
July 23, 2003
Page 3

RESULTS:

Presumptive testing for blood was positive on items 19.1 (0303340) jeans, 19.3 (0303340) top, 19.1 (0303339) shorts, 19.2 (0303339) T-shirt, 22.1 - 22.6, 22.9 wipes, 23.1 - 23.4 wipes, 24.2 wipe, 25.6, 25.7, 25.9, & 25.10 swabs, 27 shirt, 28 T-shirt, 30 jeans, and 32 knife.

Testing for the presence of human blood was positive on items 22.7, 22.8, 24.1 wipes, 25.8 swab, 25.19 seat belt, 27T₃ & 27₄ shirt, 30T₂ & 30T₃ jeans and 33 tile swab.

Blood was not detected on item 51 watch.

No analysis was conducted on items 22.10 - 22.16, 23.5 - 23.8, 24.3 - 24.4, 25.1 - 25.5, 25.11 - 25.18, 26, 29, and 31.

Human DNA was recovered and quantified from the following items:

CL# 0303340: 19.1T₁ jeans, 19.3T₁ top & 16 Pearl Magouirk's autopsy blood
CL# 0303339: 19.1T₁ shorts, 19.1T₂ shorts, 19.2T₁ T-shirt, 20 Patricia Syren's autopsy blood, 21 Billy Crutsinger's swabs, 22.7 drawer, 22.8 garage, 24.1 dishwasher, 25.8 steering wheel, 25.19 seat belt, 27T₁- 27T₄ shirt stains, 27T₅ shirt neck swabbing, 30T₁ & 30T₂ jean cutoffs pocket stains, 30T₃, 30T₄ & 30T₆ jean cutoffs stains, 32 knife blade, and 33 tile stain.

The recovered DNA was characterized through Polymerase Chain Reaction (PCR) with analysis of the Amelogenin locus for sex determination and the following Short Tandem Repeat (STR) loci: D3S1358, vWA, FGA, D8S1179, D21S11, D18S51, D5S818, D13S317, and D7S820.

Items from CL# 0303340: 19.1T₁ jeans & 16 Pearl Magouirk's autopsy blood and CL# 0303339: 19.1T₁ shorts, 20 Patricia Syren's autopsy blood, 21 Billy Crutsinger's swabs, 27T₄ shirt stains, 30T₁ & 30T₂ jean cutoffs pocket stains were also characterized at the additional STR loci: D16S539, THO1, TPOX, and CSF1PO.

CONCLUSIONS:

A single male DNA profile that matches the DNA profile obtained from Billy Crutsinger (item 21) was obtained from each of the following items:

CL# 0303340: 19.1T₁ Pearl Magouirk's jeans
CL# 0303339: 19.1T₁ Patricia Syren's shorts, 19.2T₁ Patricia Syren's T-shirt, 22.7 drawer, 22.8 garage, 24.1 dishwasher, 25.8 steering wheel, 25.19 seat belt, 27T₁- 27T₃ shirt stains, 30T₃, 30T₄ & 30T₆ jean cutoffs stains, and 33 tile stain.

CL#: 0303339 / 0303340
July 23, 2003
Page 4

A single female DNA profile that matches the DNA profile obtained from Patricia Syren (item 20) was obtained from items 19.3T₁ (0303340) Pearl Magouirk's top, 19.1T₂ (0303339) Patricia Syren's shorts, and 32 knife blade (0303339).

The DNA profile obtained from the denim shirt left front pocket stain, item 27T₄, is a mixture of DNA from at least two female contributors which correspond to alleles originating from both Patricia Syren (item 20) and Pearl Magouirk (item 16). Billy Crutsinger (item 21) is excluded as a contributor of this DNA.

The DNA profile obtained from the denim shirt collar, item 27T₅, is a mixture of DNA from at least two contributors. The major male DNA profile matches the DNA profile obtained from Billy Crutsinger (item 21). Minor DNA alleles detected at the loci D3S1358, vWA, D21S11, and D13S317 were consistent with having originated from Patricia Syren (item 20). A single minor DNA allele at the locus D8S1179 could not have originated from Patricia Syren, Billy Crutsinger, or Pearl Magouirk.

The DNA profile obtained from the jean cutoffs pocket stain, item 30T₁, is a mixture of DNA from more than two contributors. Male DNA was detected. This mixed DNA profile is consistent with having originated from Pearl Magouirk (item 16), Patricia Syren (item 20), and Billy Crutsinger (item 21). Results at the D18S51 locus were inconclusive.

The DNA profile obtained from the jean cutoffs pocket stain, item 30T₂, is a mixture of DNA from at least two contributors. Male DNA was detected. Alleles that correspond to those of Billy Crutsinger (item 21) were detected at all thirteen loci. Although additional alleles detected at the loci D3S1358, and TPOX correspond to those of Patricia Syren, results at the loci FGA, D8S1179, D21S11 and CSF1PO were inconclusive.

STATISTICAL DATA

The probability of selecting an unrelated individual having the same DNA profile as that obtained from items CL# 0303340: 19.1T₁ Pearl Magouirk's jeans and CL# 0303339: 19.1T₁ Patricia Syren's shorts (which each match Billy Crutsinger's DNA profile) is approximately:

1 in	86,600,000,000,000	in Caucasians
1 in	1,790,000,000,000,000	in African Americans
1 in	243,000,000,000,000	in Southwest Hispanics

Based on the DNA data obtained from the denim shirt left front pocket stain, item 27T₄, [which is consistent with having originated from both Patricia Syren (item 20) and Pearl Magouirk (item 16)], it is expected that at least 99.99% of unrelated individuals in each of the Caucasian, African American, and Hispanic populations are excluded as possible contributors to this mixture.

CL#: 0303339 / 0303340
July 23, 2003
Page 5

Based on the DNA data obtained from the jean cutoffs pocket stain, item 30T₁, [which is consistent with having originated from Patricia Syren (item 20), Pearl Magouirk (item 16), and Billy Crutsinger (item 21)], it is expected that at least 99.8% of unrelated individuals in each of the Caucasian, African American, and Hispanic populations are excluded as possible contributors to this mixture.

CODIS ENTRY:

The DNA profile obtained from item CL# 0303340: 19.1T₁ jeans will be entered into the COmbined DNA Index System (CODIS), where it will be searched against casework databases (local, state, and national) and convicted offender databases (state and national). In the event of any significant matches, your agency will be notified.

DISPOSITION OF EVIDENCE:

Biology / DNA laboratory: CL#: (0303340) Items 19.1T₂ & 19.3T₂
CL#: (0303339) Items 22.1 - 22.6, 23.1 - 23.4, 24.2, 25.6, 25.7, 25.9, 25.10, 28T₁ - 28T₃ & 30T₅

Remaining items CL# 0303340: 19.1T₁, 19.3T₁, & 16
CL# 0303339: 19.1T₁, 19.1T₂, 19.2T₁, 20, 21, 22.7, 22.8, 24.1, 25.8, 25.19, 27T₁-27T₅, 30T₁-30T₄, 30T₆, 32, & 33

TCME Evidence Custodian: CL#: (0303340): Items 19.1 & 19.3
CL#: (0303339): Items 19.1, 19.2, 22.9 - 22.16, 23.5 - 23.8, 24.3 - 24.4, 25.1 - 25.5, 25.11 - 25.19, 26 - 31 & 51
Packaging only Items 21, 22.1 - 22.8, 24.1, 23.1 - 23.4 & 24.2

For additional inquiries or requests, please contact the DNA laboratory at 817-212-7026.

DNA ANALYST: Carolyn Van Winkle, M.S.

Carolyn Van Winkle

APPROVED BY: Ronald L. Singer, M.S.

Ronald L. Singer

CERTIFICATE OF ANALYSES

OFFICE OF CHIEF MEDICAL EXAMINER
CRIMINALISTICS LABORATORIES
200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104

NIZAM PEERWANI, M.D., DABFP
CHIEF MEDICAL EXAMINER
RONALD L. SINGER, M.S.
CRIME LABORATORY DIRECTOR

FORENSIC BIOLOGY / DNA LABORATORY

NAME: Pearl Magouirk

CRIME LAB #: 0303340

OFFENSE: Sexual Assault

PRIORITY: 2

REQUESTED BY: Detective John McCaskill

Fort Worth P. D. SERV #: 03038339

DATE OF REQUEST: August 28, 2003

DATE OF COMPLETION: September 8, 2003

ANALYST: Carolyn Van Winkle

Previous Reports: July 23, 2003 & September 3, 2003

EVIDENCE RECEIVED:

Received from the TCME Evidence Custodian on August 28, 2003:

Sexual Assault Evidence Collection Kit containing sealed envelopes:

18.1	Vaginal smear	18.6	Anal swabs
18.2	Oral smear	18.7	Perianal swabs
18.3	Anal smear	18.8	Pulled scalp hair
18.4	Vaginal swabs	18.9	Combed pubic hair
18.5	Oral swabs	18.10	Pulled pubic hair

RESULTS:

Neither spermatozoa nor acid phosphatase, which is suggestive of semen, were detected on the vaginal, anal, and oral specimens (items 18.1, 18.2, 18.3, 18.4, 18.5 and 18.6).

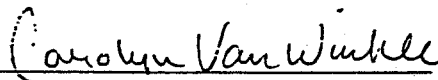
Acid phosphatase, which is suggestive of semen, was not detected on the perianal swabs (item 18.7).

DISPOSITION OF EVIDENCE:

TCME Evidence custodian: items 18.1 - 18.10

For additional inquiries or requests, please contact the Biology / DNA laboratory at 817-212-7026.

ANALYST: Carolyn Van Winkle, M.S.



APPROVED BY: Ronald L. Singer, M.S.



STR TYPING RESULTS

Crime Lab #s: 0303339
 Analyst: CKW
 Date: 23 July 03

COfiler Alleles Detected:

Sample Information	D3S1358	D16S539	Amel	TH01	TPOX	CSF1PO	D7S820	Comments
2436 19.1 shorts	16,17	11,12	X4	6,9.3	8	10	10,11	
2449 27T4 shirt	14,15	11,12	x	6,8	8,11	11,12	10,11	-Mixture-
2451 30T, ^{jean} pocket	14,15,16,17	11,12	X4	6,8,9.3	8,11	10,11,12	10,11, ^{CKW} 12	
2452 30T ₂ ^{jean} pocket	16,17	11,12	X4	6,9.3	8	10	10,11	
	(14,15)				(11)	(11)		
2456 20 P. Suen	14,15	11	x	6	8,11	11,12	10,11	
2457 21 B. Crutsinger	16,17	11,12	X4	6,9.3	8	10	10,11	
Neg Amp 2430, 2431, 2432	-	-	-	-	-	-	-	
2467 9S47A	14,15	11,12	X	8,9.3	8	10,12	10,11	
2468 Neg Amp	-	-	-	-	-	-	-	

CERTIFICATE OF ANALYSES

OFFICE OF CHIEF MEDICAL EXAMINER
CRIMINALISTICS LABORATORIES
200 FELIX GWOZDZ PLACE
FORT WORTH, TEXAS 76104

NIZAM PEERWANI, M.D., DABFP
CHIEF MEDICAL EXAMINER
RONALD L. SINGER, M.S.
CRIME LABORATORY DIRECTOR

FORENSIC BIOLOGY / DNA LABORATORY

NAME: Patricia Syren

CRIME LAB #: 0303339

OFFENSE: Sexual Assault

PRIORITY: 2

REQUESTED BY: Detective John McCaskill

Fort Worth P. D. SERV #: 03038339

DATE OF REQUEST: August 28, 2003

DATE OF COMPLETION: September 8, 2003
Previous Reports: July 23, 2003 & September 3, 2003

ANALYST: Carolyn Van Winkle

EVIDENCE RECEIVED:

Received from the TCME Evidence Custodian on August 28, 2003:

Sexual Assault Evidence Collection Kit containing sealed envelopes:

18.3	Oral smear	18.8	Anal swabs
18.4	Vaginal smear	18.9	Perianal swabs
18.5	Anal smear	18.10	Pulled pubic hair
18.6	Oral swabs	18.11	Combed pubic hair
18.7	Vaginal swabs	18.12	Pulled scalp hair

RESULTS:

Neither spermatozoa nor acid phosphatase, which is suggestive of semen, were detected on the vaginal, anal, and oral specimens (items 18.3, 18.4, 18.5, 18.6, 18.7 and 18.8).

Acid phosphatase, which is suggestive of semen, was not detected on the perianal swabs (item 18.9).

DISPOSITION OF EVIDENCE:

TCME Evidence custodian: items 18.3 - 18.12

For additional inquiries or requests, please contact the Biology / DNA laboratory at 817-212-7026.

ANALYST: Carolyn Van Winkle, M.S.

Carolyn Van Winkle

APPROVED BY: Ronald L. Singer, M.S.

Ronald L. Singer

CERTIFICATE OF ANALYSES

OFFICE OF CHIEF MEDICAL EXAMINER
CRIMINALISTICS LABORATORIES
200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104

NIZAM PEERWANI, M.D., DABFP
CHIEF MEDICAL EXAMINER
RONALD L. SINGER, M.S.
CRIME LABORATORY DIRECTOR

FORENSIC BIOLOGY / DNA LABORATORY

NAMES: Patricia Syren
Pearl Magouirk

CRIME LAB #: 0303339
Related Crime Lab #: 0303340

OFFENSE: Homicides

PRIORITY: 1

REQUESTED BY: Detective John McCaskill
Michele Hartmann – T.C.D.A.

Fort Worth P. D. Service #: 03038339

DATES OF REQUEST: June 26 & July 8 & 16, 2003

DATE OF COMPLETION: July 23, 2003

DNA ANALYST: Carolyn Van Winkle

EVIDENCE RECEIVED:

Received from the Tarrant County Medical Examiner (T.C.M.E.) Morgue on April 15, 2003:

16 (0303340): Autopsy blood sample (FTA) – Pearl Magouirk
20 (0303339): Autopsy blood sample (FTA) – Patricia Syren

Received from the T.C.M.E. Evidence Custodian on June 26, 2003:

19.1 (0303340): Jeans (autopsy clothing) in a sealed sack
19.3 (0303340): White top (autopsy clothing) in a sealed sack

19.1 (0303339): Blue shorts (autopsy clothing) in a sealed sack
19.2 (0303339): Light gray T-shirt (autopsy clothing) in a sealed sack
21 (0303339): Swabs (2) in a sealed envelope labeled "...Crutsinger, Billy..."

Sealed envelope containing #s 22, 23 & 24:

22.1 (0303339): Stained wipe in an envelope labeled "sample #1"
22.2 (0303339): Stained wipe in an envelope labeled "sample #2"
22.3 (0303339): Stained wipe in an envelope labeled "sample #3"
22.4 (0303339): Stained wipe in an envelope labeled "sample #4"
22.5 (0303339): Stained wipe in an envelope labeled "sample #5"
22.6 (0303339): Stained wipe in an envelope labeled "sample #6"
22.7 (0303339): Stained wipe in an envelope labeled "sample #7"
22.8 (0303339): Stained wipe in an envelope labeled "sample #8"
22.9 - 22.16 (0303339): Eight envelopes labeled "control #1", "control #2",
"control #3", "control #4", "control #5", "control #6",
"control #7", "control #8"

CL#: 0303339 / 0303340
July 23, 2003
Page 2

- 23.1 (0303339): Stained wipe in an envelope labeled "sample #11"
- 23.2 (0303339): Stained wipe in an envelope labeled "sample #12"
- 23.3 (0303339): Stained wipe in an envelope labeled "sample #13"
- 23.4 (0303339): Stained wipe in an envelope labeled "sample #14"
- 23.5 - 23.8 (0303339): Four envelopes labeled "control #11", "control #12",
"control #13", "control #14"
- 24.1 (0303339): Stained wipe in an envelope labeled "sample #23"
- 24.2 (0303339): Stained wipe in an envelope labeled "sample #24"
- 24.3 - 24.4(0303339): Two envelopes labeled "control #23" and "control #24"
- Sealed sack containing # 25 from vehicle:
 - 25.1 (0303339): Swab in a sealed envelope labeled "item #1"
 - 25.2 (0303339): Swab in a sealed envelope labeled "item #2"
 - 25.3 (0303339): Swab in a sealed envelope labeled "item #3"
 - 25.4 (0303339): Swab in a sealed envelope labeled "item #4"
 - 25.5 (0303339): Swab in a sealed envelope labeled "item #5"
 - 25.6 (0303339): Swab in a sealed envelope labeled "item #6"
 - 25.7 (0303339): Swab in a sealed envelope labeled "item #7"
 - 25.8 (0303339): Swab in a sealed envelope labeled "item #8"
 - 25.9 (0303339): Swab in a sealed envelope labeled "item #9"
 - 25.10 (0303339): Swab in a sealed envelope labeled "item #10"
 - 25.11 (0303339): Swab in a sealed envelope labeled "item #11"
 - 25.12 (0303339): Swab in a sealed envelope labeled "item #12"
 - 25.13 (0303339): Swab in a sealed envelope labeled "item #13"
 - 25.14 (0303339): Swab in a sealed envelope labeled "item #14"
 - 25.15 (0303339): Swab in a sealed envelope labeled "item #15"
 - 25.16 (0303339): Swab in a sealed envelope labeled "item #16"
 - 25.17 (0303339): Swab in a sealed envelope labeled "item #17"
 - 25.18 (0303339): Swab in a sealed envelope labeled "item #18 control"
 - 25.19 (0303339): Portion of seat belt in a sealed sack labeled "item #19..."
- Sealed box containing #s 26 - 31 clothing:
 - 26 (0303339): Sealed sack labeled "#1"
 - 27 (0303339): Denim shirt in a sealed sack labeled "#2"
 - 28 (0303339): Gray T-shirt in a sealed sack labeled "#3"
 - 29 (0303339): Sealed sack labeled "#4"
 - 30 (0303339): "Wrangler" jeans in a sealed sack labeled "#5"
 - 31 (0303339): Sealed sack labeled "#6"
 - 32 (0303339): Bent knife blade in a sealed envelope

Obtained by Carolyn Van Winkle on July 8, 2003 in the presence of Detective John McCaskill:
33 (0303339): Swabs (2) from tile in sack labeled "Item 17A"

Received from the T.C.M.E. Evidence Custodian on July 17, 2003:
51 (0303339): Watch inside sealed sacks / bags

CL#: 0303339 / 0303340
July 23, 2003
Page 3

RESULTS:

Presumptive testing for blood was positive on items 19.1 (0303340) jeans, 19.3 (0303340) top, 19.1 (0303339) shorts, 19.2 (0303339) T-shirt, 22.1 - 22.6, 22.9 wipes, 23.1 - 23.4 wipes, 24.2 wipe, 25.6, 25.7, 25.9, & 25.10 swabs, 27 shirt, 28 T-shirt, 30 jeans, and 32 knife.

Testing for the presence of human blood was positive on items 22.7, 22.8, 24.1 wipes, 25.8 swab, 25.19 seat belt, 27T₃ & 27₄ shirt, 30T₂ & 30T₃ jeans and 33 tile swab.

Blood was not detected on item 51 watch.

No analysis was conducted on items 22.10 - 22.16, 23.5 - 23.8, 24.3 - 24.4, 25.1 - 25.5, 25.11 - 25.18, 26, 29, and 31.

Human DNA was recovered and quantified from the following items:

CL# 0303340: 19.1T₁ jeans, 19.3T₁ top & 16 Pearl Magouirk's autopsy blood
CL# 0303339: 19.1T₁ shorts, 19.1T₂ shorts, 19.2T₁ T-shirt, 20 Patricia Syren's autopsy blood, 21 Billy Crutsinger's swabs, 22.7 drawer, 22.8 garage, 24.1 dishwasher, 25.8 steering wheel, 25.19 seat belt, 27T₁- 27T₄ shirt stains, 27T₅ shirt neck swabbing, 30T₁ & 30T₂ jean cutoffs pocket stains, 30T₃, 30T₄ & 30T₆ jean cutoffs stains, 32 knife blade, and 33 tile stain.

The recovered DNA was characterized through Polymerase Chain Reaction (PCR) with analysis of the Amelogenin locus for sex determination and the following Short Tandem Repeat (STR) loci: D3S1358, vWA, FGA, D8S1179, D21S11, D18S51, D5S818, D13S317, and D7S820.

Items from CL# 0303340: 19.1T₁ jeans & 16 Pearl Magouirk's autopsy blood and CL# 0303339: 19.1T₁ shorts, 20 Patricia Syren's autopsy blood, 21 Billy Crutsinger's swabs, 27T₄ shirt stains, 30T₁ & 30T₂ jean cutoffs pocket stains were also characterized at the additional STR loci: D16S539, TH01, TPOX, and CSF1PO.

CONCLUSIONS:

A single male DNA profile that matches the DNA profile obtained from Billy Crutsinger (item 21) was obtained from each of the following items:

CL# 0303340: 19.1T₁ Pearl Magouirk's jeans
CL# 0303339: 19.1T₁ Patricia Syren's shorts, 19.2T₁ Patricia Syren's T-shirt, 22.7 drawer, 22.8 garage, 24.1 dishwasher, 25.8 steering wheel, 25.19 seat belt, 27T₁- 27T₃ shirt stains, 30T₃, 30T₄ & 30T₆ jean cutoffs stains, and 33 tile stain.

CL#: 0303339 / 0303340
July 23, 2003
Page 4

A single female DNA profile that matches the DNA profile obtained from Patricia Syren (item 20) was obtained from items 19.3T₁ (0303340) Pearl Magouirk's top, 19.1T₂ (0303339) Patricia Syren's shorts, and 32 knife blade (0303339).

The DNA profile obtained from the denim shirt left front pocket stain, item 27T₄, is a mixture of DNA from at least two female contributors which correspond to alleles originating from both Patricia Syren (item 20) and Pearl Magouirk (item 16). Billy Crutsinger (item 21) is excluded as a contributor of this DNA.

The DNA profile obtained from the denim shirt collar, item 27T₅, is a mixture of DNA from at least two contributors. The major male DNA profile matches the DNA profile obtained from Billy Crutsinger (item 21). Minor DNA alleles detected at the loci D3S1358, vWA, D21S11, and D13S317 were consistent with having originated from Patricia Syren (item 20). A single minor DNA allele at the locus D8S1179 could not have originated from Patricia Syren, Billy Crutsinger, or Pearl Magouirk.

The DNA profile obtained from the jean cutoffs pocket stain, item 30T₁, is a mixture of DNA from more than two contributors. Male DNA was detected. This mixed DNA profile is consistent with having originated from Pearl Magouirk (item 16), Patricia Syren (item 20), and Billy Crutsinger (item 21). Results at the D18S51 locus were inconclusive.

The DNA profile obtained from the jean cutoffs pocket stain, item 30T₂, is a mixture of DNA from at least two contributors. Male DNA was detected. Alleles that correspond to those of Billy Crutsinger (item 21) were detected at all thirteen loci. Although additional alleles detected at the loci D3S1358, and TPOX correspond to those of Patricia Syren, results at the loci FGA, D8S1179, D21S11 and CSF1PO were inconclusive.

STATISTICAL DATA

The probability of selecting an unrelated individual having the same DNA profile as that obtained from items CL# 0303340: 19.1T₁ Pearl Magouirk's jeans and CL# 0303339: 19.1T₁ Patricia Syren's shorts (which each match Billy Crutsinger's DNA profile) is approximately:

1 in	86,600,000,000,000	in Caucasians
1 in	1,790,000,000,000,000	in African Americans
1 in	243,000,000,000,000	in Southwest Hispanics

Based on the DNA data obtained from the denim shirt left front pocket stain, item 27T₄, [which is consistent with having originated from both Patricia Syren (item 20) and Pearl Magouirk (item 16)], it is expected that at least 99.99% of unrelated individuals in each of the Caucasian, African American, and Hispanic populations are excluded as possible contributors to this mixture.

CL#: 0303339 / 0303340
July 23, 2003
Page 5

Based on the DNA data obtained from the jean cutoffs pocket stain, item 30T₁, [which is consistent with having originated from Patricia Syren (item 20), Pearl Magouirk (item 16), and Billy Crutsinger (item 21)], it is expected that at least 99.8% of unrelated individuals in each of the Caucasian, African American, and Hispanic populations are excluded as possible contributors to this mixture.

CODIS ENTRY:

The DNA profile obtained from item CL# 0303340: 19.1T₁ jeans will be entered into the Combined DNA Index System (CODIS), where it will be searched against casework databases (local, state, and national) and convicted offender databases (state and national). In the event of any significant matches, your agency will be notified.

DISPOSITION OF EVIDENCE:

Biology / DNA laboratory: CL#: (0303340) Items 19.1T₂ & 19.3T₂
CL#: (0303339) Items 22.1 - 22.6, 23.1 - 23.4, 24.2, 25.6, 25.7, 25.9, 25.10, 28T₁ - 28T₃ & 30T₅

Remaining items CL# 0303340: 19.1T₁, 19.3T₁, & 16
CL# 0303339: 19.1T₁, 19.1T₂, 19.2T₁, 20, 21, 22.7, 22.8, 24.1, 25.8, 25.19, 27T₁ - 27T₅, 30T₁ - 30T₄, 30T₆, 32, & 33

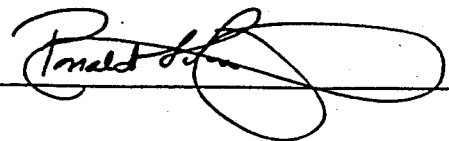
TCME Evidence Custodian: CL#: (0303340): Items 19.1 & 19.3
CL#: (0303339): Items 19.1, 19.2, 22.9 - 22.16, 23.5 - 23.8, 24.3 - 24.4, 25.1 - 25.5, 25.11 - 25.19, 26 - 31 & 51
Packaging only Items 21, 22.1 - 22.8, 24.1, 23.1 - 23.4 & 24.2

For additional inquiries or requests, please contact the DNA laboratory at 817-212-7026.

DNA ANALYST: Carolyn Van Winkle, M.S.



APPROVED BY: Ronald L. Singer, M.S.



CERTIFICATE OF ANALYSES

OFFICE OF CHIEF MEDICAL EXAMINER
CRIMINALISTICS LABORATORIES
200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104

NIZAM PEERWANI, M.D., DABFP
CHIEF MEDICAL EXAMINER
RONALD L. SINGER, M.S.
CRIME LABORATORY DIRECTOR

FORENSIC BIOLOGY / DNA LABORATORY

NAMES: Patricia Syren
Pearl Magouirk

CRIME LAB #: 0303339
Related Crime Lab #: 0303340

OFFENSE: Homicides

PRIORITY: 1

REQUESTED BY: Detective John McCaskill
Michele Hartmann – T.C.D.A.

Fort Worth P. D. Service #: 03038339

DATES OF REQUEST: June 26 & July 8 & 16, 2003

DATE OF COMPLETION: July 23, 2003

DNA ANALYST: Carolyn Van Winkle

EVIDENCE RECEIVED:

Received from the Tarrant County Medical Examiner (T.C.M.E.) Morgue on April 15, 2003:

16 (0303340): Autopsy blood sample (FTA) – Pearl Magouirk
20 (0303339): Autopsy blood sample (FTA) – Patricia Syren

Received from the T.C.M.E. Evidence Custodian on June 26, 2003:

19.1 (0303340): Jeans (autopsy clothing) in a sealed sack
19.3 (0303340): White top (autopsy clothing) in a sealed sack

19.1 (0303339): Blue shorts (autopsy clothing) in a sealed sack
19.2 (0303339): Light gray T-shirt (autopsy clothing) in a sealed sack
21 (0303339): Swabs (2) in a sealed envelope labeled "...Crutsinger, Billy..."

Sealed envelope containing #s 22, 23 & 24:

22.1 (0303339): Stained wipe in an envelope labeled "sample #1"
22.2 (0303339): Stained wipe in an envelope labeled "sample #2"
22.3 (0303339): Stained wipe in an envelope labeled "sample #3"
22.4 (0303339): Stained wipe in an envelope labeled "sample #4"
22.5 (0303339): Stained wipe in an envelope labeled "sample #5"
22.6 (0303339): Stained wipe in an envelope labeled "sample #6"
22.7 (0303339): Stained wipe in an envelope labeled "sample #7"
22.8 (0303339): Stained wipe in an envelope labeled "sample #8"
22.9 - 22.16 (0303339): Eight envelopes labeled "control #1", "control #2",
"control #3", "control #4", "control #5", "control #6",
"control #7", "control #8"

CL#: 0303339 / 0303340

July 23, 2003

Page 2

- 23.1 (0303339): Stained wipe in an envelope labeled "sample #11"
- 23.2 (0303339): Stained wipe in an envelope labeled "sample #12"
- 23.3 (0303339): Stained wipe in an envelope labeled "sample #13"
- 23.4 (0303339): Stained wipe in an envelope labeled "sample #14"
- 23.5 - 23.8 (0303339): Four envelopes labeled "control #11", "control #12",
"control #13", "control #14"
- 24.1 (0303339): Stained wipe in an envelope labeled "sample #23"
- 24.2 (0303339): Stained wipe in an envelope labeled "sample #24"
- 24.3 - 24.4(0303339): Two envelopes labeled "control #23" and "control #24"

Sealed sack containing # 25 from vehicle:

- 25.1 (0303339): Swab in a sealed envelope labeled "item #1"
- 25.2 (0303339): Swab in a sealed envelope labeled "item #2"
- 25.3 (0303339): Swab in a sealed envelope labeled "item #3"
- 25.4 (0303339): Swab in a sealed envelope labeled "item #4"
- 25.5 (0303339): Swab in a sealed envelope labeled "item #5"
- 25.6 (0303339): Swab in a sealed envelope labeled "item #6"
- 25.7 (0303339): Swab in a sealed envelope labeled "item #7"
- 25.8 (0303339): Swab in a sealed envelope labeled "item #8"
- 25.9 (0303339): Swab in a sealed envelope labeled "item #9"
- 25.10 (0303339): Swab in a sealed envelope labeled "item #10"
- 25.11 (0303339): Swab in a sealed envelope labeled "item #11"
- 25.12 (0303339): Swab in a sealed envelope labeled "item #12"
- 25.13 (0303339): Swab in a sealed envelope labeled "item #13"
- 25.14 (0303339): Swab in a sealed envelope labeled "item #14"
- 25.15 (0303339): Swab in a sealed envelope labeled "item #15"
- 25.16 (0303339): Swab in a sealed envelope labeled "item #16"
- 25.17 (0303339): Swab in a sealed envelope labeled "item #17"
- 25.18 (0303339): Swab in a sealed envelope labeled "item #18 control"
- 25.19 (0303339): Portion of seat belt in a sealed sack labeled "item #19..."

Sealed box containing #s 26 - 31 clothing:

- 26 (0303339): Sealed sack labeled "#1"
- 27 (0303339): Denim shirt in a sealed sack labeled "#2"
- 28 (0303339): Gray T-shirt in a sealed sack labeled "#3"
- 29 (0303339): Sealed sack labeled "#4"
- 30 (0303339): "Wrangler" jeans in a sealed sack labeled "#5"
- 31 (0303339): Sealed sack labeled "#6"
- 32 (0303339): Bent knife blade in a sealed envelope

Obtained by Carolyn Van Winkle on July 8, 2003 in the presence of Detective John McCaskill:

- 33 (0303339): Swabs (2) from tile in sack labeled "Item 17A"

Received from the T.C.M.E. Evidence Custodian on July 17, 2003:

- 51 (0303339): Watch inside sealed sacks / bags

CL#: 0303339 / 0303340

July 23, 2003

Page 3

RESULTS:

Presumptive testing for blood was positive on items 19.1 (0303340) jeans, 19.3 (0303340) top, 19.1 (0303339) shorts, 19.2 (0303339) T-shirt, 22.1 - 22.6, 22.9 wipes, 23.1 - 23.4 wipes, 24.2 wipe, 25.6, 25.7, 25.9, & 25.10 swabs, 27 shirt, 28 T-shirt, 30 jeans, and 32 knife.

Testing for the presence of human blood was positive on items 22.7, 22.8, 24.1 wipes, 25.8 swab, 25.19 seat belt, 27T₃ & 27₄ shirt, 30T₂ & 30T₃ jeans and 33 tile swab.

Blood was not detected on item 51 watch.

No analysis was conducted on items 22.10 - 22.16, 23.5 - 23.8, 24.3 - 24.4, 25.1 - 25.5, 25.11 - 25.18, 26, 29, and 31.

Human DNA was recovered and quantified from the following items:

CL# 0303340: 19.1T₁ jeans, 19.3T₁ top & 16 Pearl Magouirk's autopsy blood

CL# 0303339: 19.1T₁ shorts, 19.1T₂ shorts, 19.2T₁ T-shirt, 20 Patricia Syren's autopsy blood, 21 Billy Crutsinger's swabs, 22.7 drawer, 22.8 garage, 24.1 dishwasher, 25.8 steering wheel, 25.19 seat belt, 27T₁- 27T₄ shirt stains, 27T₅ shirt neck swabbing, 30T₁ & 30T₂ jean cutoffs pocket stains, 30T₃, 30T₄ & 30T₆ jean cutoffs stains, 32 knife blade, and 33 tile stain.

The recovered DNA was characterized through Polymerase Chain Reaction (PCR) with analysis of the Amelogenin locus for sex determination and the following Short Tandem Repeat (STR) loci: D3S1358, vWA, FGA, D8S1179, D21S11, D18S51, D5S818, D13S317, and D7S820.

Items from CL# 0303340: 19.1T₁ jeans & 16 Pearl Magouirk's autopsy blood and CL# 0303339: 19.1T₁ shorts, 20 Patricia Syren's autopsy blood, 21 Billy Crutsinger's swabs, 27T₄ shirt stains, 30T₁ & 30T₂ jean cutoffs pocket stains were also characterized at the additional STR loci: D16S539, THO1, TPOX, and CSF1PO.

CONCLUSIONS:

A single male DNA profile that matches the DNA profile obtained from Billy Crutsinger (item 21) was obtained from each of the following items:

CL# 0303340: 19.1T₁ Pearl Magouirk's jeans

CL# 0303339: 19.1T₁ Patricia Syren's shorts, 19.2T₁ Patricia Syren's T-shirt, 22.7 drawer, 22.8 garage, 24.1 dishwasher, 25.8 steering wheel, 25.19 seat belt, 27T₁- 27T₃ shirt stains, 30T₃, 30T₄ & 30T₆ jean cutoffs stains, and 33 tile stain.

CL#: 0303339 / 0303340
July 23, 2003
Page 4

A single female DNA profile that matches the DNA profile obtained from Patricia Syren (item 20) was obtained from items 19.3T₁ (0303340) Pearl Magouirk's top, 19.1T₂ (0303339) Patricia Syren's shorts, and 32 knife blade (0303339).

The DNA profile obtained from the denim shirt left front pocket stain, item 27T₄, is a mixture of DNA from at least two female contributors which correspond to alleles originating from both Patricia Syren (item 20) and Pearl Magouirk (item 16). Billy Crutsinger (item 21) is excluded as a contributor of this DNA.

The DNA profile obtained from the denim shirt collar, item 27T₅, is a mixture of DNA from at least two contributors. The major male DNA profile matches the DNA profile obtained from Billy Crutsinger (item 21). Minor DNA alleles detected at the loci D3S1358, vWA, D21S11, and D13S317 were consistent with having originated from Patricia Syren (item 20). A single minor DNA allele at the locus D8S1179 could not have originated from Patricia Syren, Billy Crutsinger, or Pearl Magouirk.

The DNA profile obtained from the jean cutoffs pocket stain, item 30T₁, is a mixture of DNA from more than two contributors. Male DNA was detected. This mixed DNA profile is consistent with having originated from Pearl Magouirk (item 16), Patricia Syren (item 20), and Billy Crutsinger (item 21). Results at the D18S51 locus were inconclusive.

The DNA profile obtained from the jean cutoffs pocket stain, item 30T₂, is a mixture of DNA from at least two contributors. Male DNA was detected. Alleles that correspond to those of Billy Crutsinger (item 21) were detected at all thirteen loci. Although additional alleles detected at the loci D3S1358, and TPOX correspond to those of Patricia Syren, results at the loci FGA, D8S1179, D21S11 and CSF1PO were inconclusive.

STATISTICAL DATA

The probability of selecting an unrelated individual having the same DNA profile as that obtained from items CL# 0303340: 19.1T₁ Pearl Magouirk's jeans and CL# 0303339: 19.1T₁ Patricia Syren's shorts (which each match Billy Crutsinger's DNA profile) is approximately:

1 in	86,600,000,000,000	in Caucasians
1 in	1,790,000,000,000,000	in African Americans
1 in	243,000,000,000,000	in Southwest Hispanics

Based on the DNA data obtained from the denim shirt left front pocket stain, item 27T₄, [which is consistent with having originated from both Patricia Syren (item 20) and Pearl Magouirk (item 16)], it is expected that at least 99.99% of unrelated individuals in each of the Caucasian, African American, and Hispanic populations are excluded as possible contributors to this mixture.

CL#: 0303339 / 0303340
July 23, 2003
Page 5

Based on the DNA data obtained from the jean cutoffs pocket stain, item 30T₁, [which is consistent with having originated from Patricia Syren (item 20), Pearl Magouirk (item 16), and Billy Crutsinger (item 21)], it is expected that at least 99.8% of unrelated individuals in each of the Caucasian, African American, and Hispanic populations are excluded as possible contributors to this mixture.

CODIS ENTRY:

The DNA profile obtained from item CL# 0303340: 19.1T₁ jeans will be entered into the COMbined DNA Index System (CODIS), where it will be searched against casework databases (local, state, and national) and convicted offender databases (state and national). In the event of any significant matches, your agency will be notified.

DISPOSITION OF EVIDENCE:

Biology / DNA laboratory: CL#: (0303340) Items 19.1T₂ & 19.3T₂
CL#: (0303339) Items 22.1 - 22.6, 23.1 - 23.4, 24.2, 25.6, 25.7, 25.9, 25.10, 28T₁ - 28T₃ & 30T₅

Remaining items CL# 0303340: 19.1T₁, 19.3T₁, & 16
CL# 0303339: 19.1T₁, 19.1T₂, 19.2T₁, 20, 21, 22.7, 22.8, 24.1, 25.8, 25.19, 27T₁-27T₅, 30T₁-30T₄, 30T₆, 32, & 33

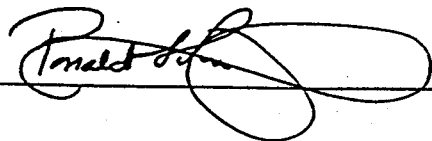
TCME Evidence Custodian: CL#: (0303340): Items 19.1 & 19.3
CL#: (0303339): Items 19.1, 19.2, 22.9 - 22.16, 23.5 - 23.8, 24.3 - 24.4, 25.1 - 25.5, 25.11 - 25.19, 26 - 31 & 51
Packaging only Items 21, 22.1 - 22.8, 24.1, 23.1 - 23.4 & 24.2

For additional inquiries or requests, please contact the DNA laboratory at 817-212-7026.

DNA ANALYST: Carolyn Van Winkle, M.S.



APPROVED BY: Ronald L. Singer, M.S.



030 3339

7 July 03

CW

Rec'd 26 June 03 #19.1 & 19.2
from G.I):11

#s 19.1 & 19.2 in separate sacks packaged
inside larger sealed G.p.s. / additional
clothing items 19 NOT Received

19.1 - Sealed G.p.s. containing
"Dickies" blue shorts blood soaked
L.M.G. pos
T₁ & T₂ frozen

T₂
~ 5mm

T₁
~ 2.5cm



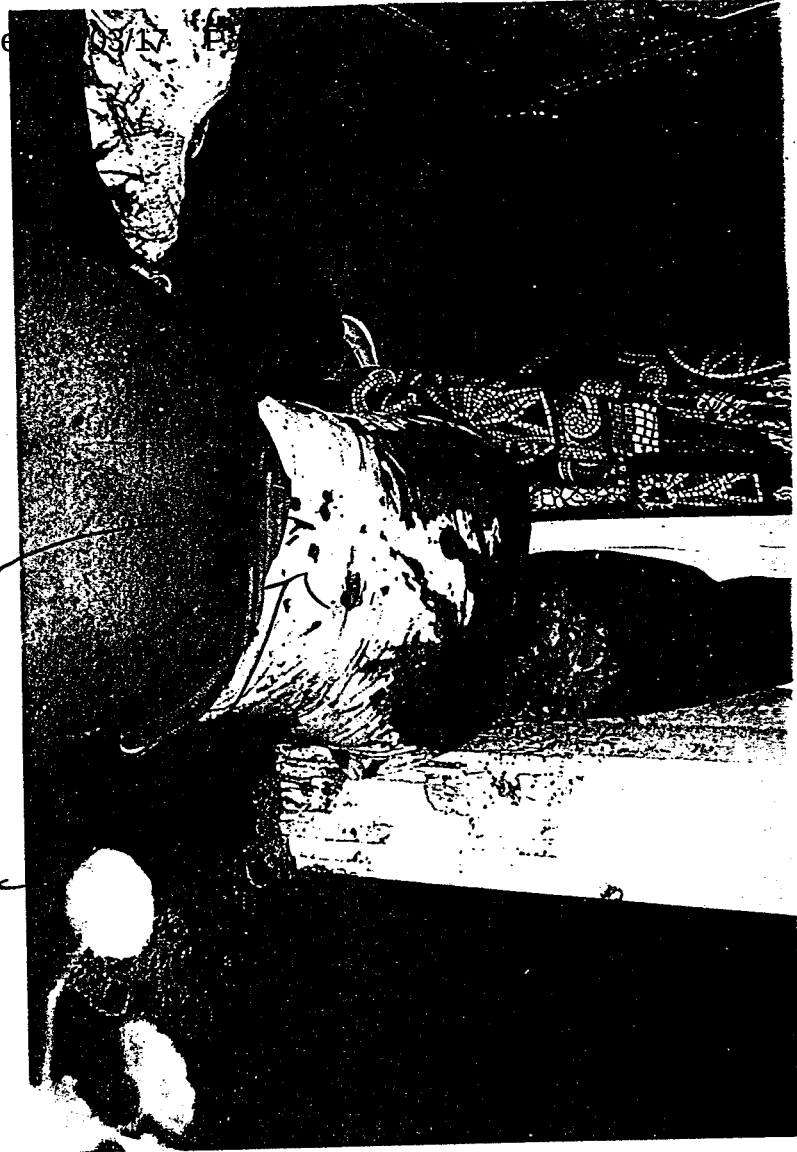
area with
possible
tread print
in blood

19.2 Sealed G.p.s. containing
Gray T-shirt blood soaked with defects

L.M.G. pos

T₁
~ 1 1/2 cm
diameter
frozen





Patricia

0303339

and

19.1 & 19.2

0303339

7 July 03

(uu)

Rcd 26 June 03 #s 21-32
from P. K. Ivashid:

[21] Swabs (2) in a coin envelope inside a
sealed me labeled "... suspect Crutinger, Billy..."
frozen

[22] sealed me containing #s 22, 23 & 24:

22.1 - Stained wipe ^{2" x 1" transfer} LMG: pos - frozen
in ~~sealed~~ me. labeled "Sample #1"

22.2 - Stained wipe LMG: pos - frozen
in me labeled "Sample #2"

22.3 - Stained wipe LMG: pos - frozen
in me labeled "Sample #3"

22.4 - Stained wipe LMG: pos - frozen
in me labeled "Sample #4"

22.5 - Stained wipe LMG: pos - frozen
in me labeled "Sample #5"

22.6 - Stained wipe LMG: pos - frozen
in me labeled "Sample #6"

22.7 - Stained wipe LMG: pos - frozen ^{sphuman}
in me labeled "Sample #7" "Drawer... Kitchen..." ^{from narrative}

22.8 - Stained ^{dirty} wipe LMG: pos - frozen ^{sphuman}

030 3339

7 July 03

CWW

-Cont -

22

22.9 - 22.16 :

six envelopes labeled:

"control #1", "control #2", "control #3",

"control #4", "control #5", "control #6", ...

22.9 "control #1" stained wipe

LMG: wk wk pos

} returned

22.10 - 22.16 N/A

23 -

23.1 stained wipe LMG: pos - frozen
(faint stain)

in me labeled "sample #11"

23.2 stained wipe LMG: pos - frozen

in me labeled "sample #12"

23.3 stained wipe LMG: pos - frozen

in me labeled "sample #13"

23.4 stained wipe LMG: pos - frozen

in me labeled "sample #14"

23.5 - 23.8

4 envelopes labeled :

"control #11", "control #12", "control #13"

"control #14" — N/A - returned

030 3339

aw

7 July 03

- Cont -

[24] - 24.1 stained wipe hMG:pos - frozen
in me labeled "~~sample~~ #23 sample"
aw

sp human
"...dishwasher..."
from narrative

24.2 stained wipe hMG:pos - frozen
in me labeled "#24 sample"

24.3 - 24.4 :
Envelope labeled:

"#23 control" & "#24 control"
N/A returned

8 July 03

- cont. -

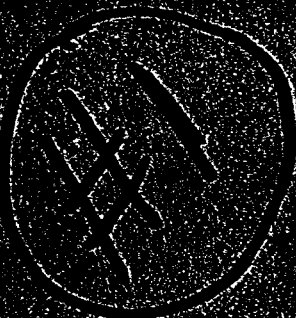
(source on outside sealed side)

25.1	sub in sealed envelope	labeled "item #1"	N/A
25.2	sub in sealed envelope	labeled "item #2"	N/A
25.3	"	"	"item #3" N/A
25.4	"	"	"item #4 N/A
25.5	"	"	"item #5 N/A
25.6	"	"	"item #6" LMGI:POS
25.7	"	"	"item #7" LMGI:POS
25.8	"	"	"item #8" LMGI:POS SPHERICAL
25.9	"	"	"item #9" LMGI:POS
25.10	"	"	"item #10" LMGI:POS
25.11	"	"	"item #11" N/A
25.12	"	"	"item #12" N/A
25.13	"	"	"item #13" N/A
25.14	"	"	"item #14" N/A
25.15	"	"	"item #15" N/A
25.16	"	"	"item #16" N/A
25.17	"	"	"item #17" N/A
25.18	"	"	"item #18" N/A
			Control

* #s 25.6 - 25.10 9/23/03

- repackaged into coin envelopes

One increased returned about 1 to 1.5



EVIDENCE TRANSFER

030 3939
25 CLK
(from sack)

SERVICE # 03038339
OFFENSE: CAPITAL MURDER
VICTIM: PATRICIA SYREN/PEARL MAGOUIRK
LOCATION: 3116 N. MAIN
PKG # 1 OF 2 TOTAL PKGS
RELEASED BY: ML BALL 2809
DATE: 041203 TIME:

CONTENTS:

- ITEM #1: SWAB - EXTERIOR LBP DOOR
- ITEM #2: SWAB - EXTERIOR TRUNK
- ITEM #3: SWAB - DRIVERS SEAT
- ITEM #4: SWAB - DRIVERS SEAT
- ITEM #5: SWAB - DRIVERS SEAT
- ITEM #6: SWAB - STEERING WHEEL
- ITEM #7: SWAB - STEERING WHEEL
- ITEM #8: SWAB - STEERING WHEEL
- ITEM #9: SWAB - STEERING WHEEL
- ITEM #10: SWAB - STEERING WHEEL
- ITEM #11: SWAB - DASH
- ITEM #12: SWAB - STEERING COLUMN
- ITEM #13: SWAB - STEREO TUNE BUTTON
- ITEM #14: SWAB - STEREO BELOW TUNE BUTTON
- ITEM #15: SWAB - TOP OF GEAR SHIFT
- ITEM #16: SWAB - GEAR SHIFT SLOT
- ITEM #17: SAMPLE FROM DRIVERS DOOR FRAME
- ITEM #18: CONTROL (DISTILLED WATER)
- ITEM #19: DRIVERS SEAT BELT

Fort Wort



Offense # 03038339
Location: 03-0069
Description: 03C02119-ITEMS 1 THRU 19

cur

8 July 03

- cont -

[25]

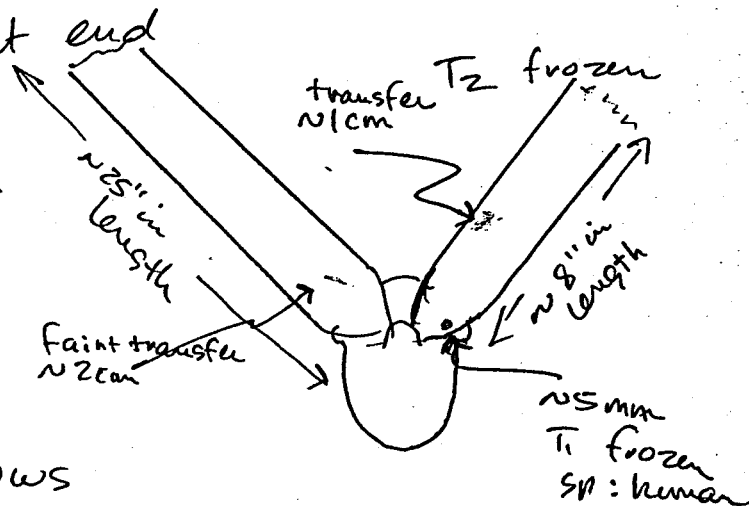
25.19 portion of seat belt with

silver colored insert end

LMG:pos
(as shown)

other stains faint
transfer LMG:pos
on other side

Marked with arrows



[32]

Bent blade ~ 5 1/2" in length non serrated
in tube packaged inside a sealed me

labeled "...03038339...blade..."

both sides blood stained, 1 side → 2 swabs

LMG:pos

- frozen -

0303339

CW

8 July 03

- Cont -

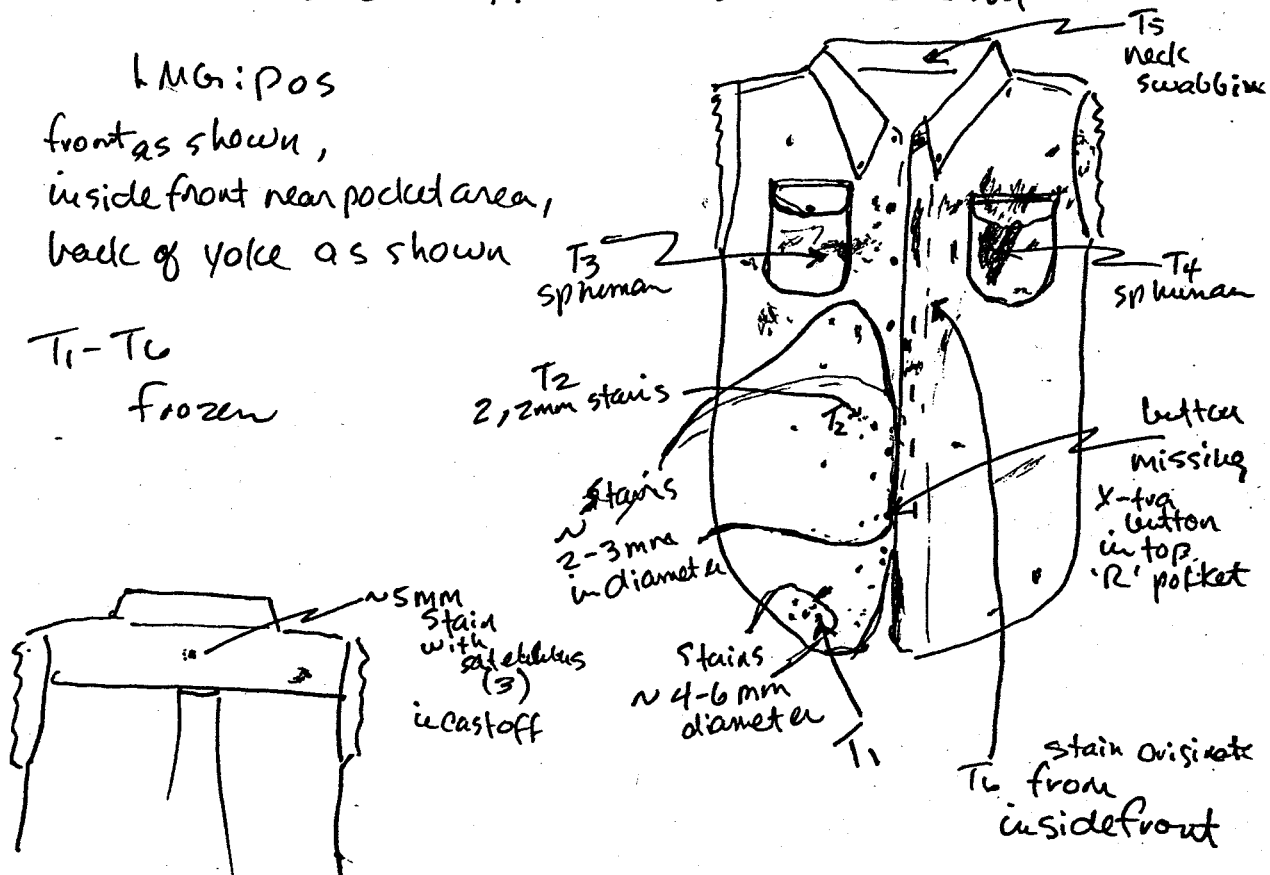
Sealed box containing, #s 26-31
 Opened July 8, 03 & (6 sealed sacks)
 July 16, 03 (for photos #30)

T261 Sealed sack labeled "#1"
 N/A

T271 Sealed sack labeled "#2" containing
 denim shirt "Premier International for Men"
 XXXL 100% Cotton ... "
 both sleeves cut off near shoulder seam

LMG:pos
 front as shown,
 inside front near pocket area,
 back of yoke as shown

T1-T6
 frozen



030 3339

CWW

8 July 03

-cont-

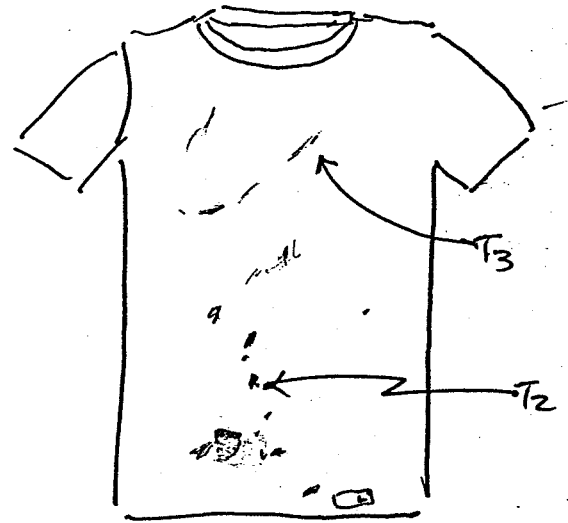
[28]

Gray T-shirt "Russell Athletic... L..."
in a sealed sack

LMG: pos

front as shown

black marks on back of shirt

T₁ swabbing neck areaT₁ - T₃ frozen[29]

Sealed Sack Labeled "#4"

N/A

[30]

Denim "Wrangler 36x36..." jeans in a
sealed b.p.s. labeled "#5"

- LMG: pos

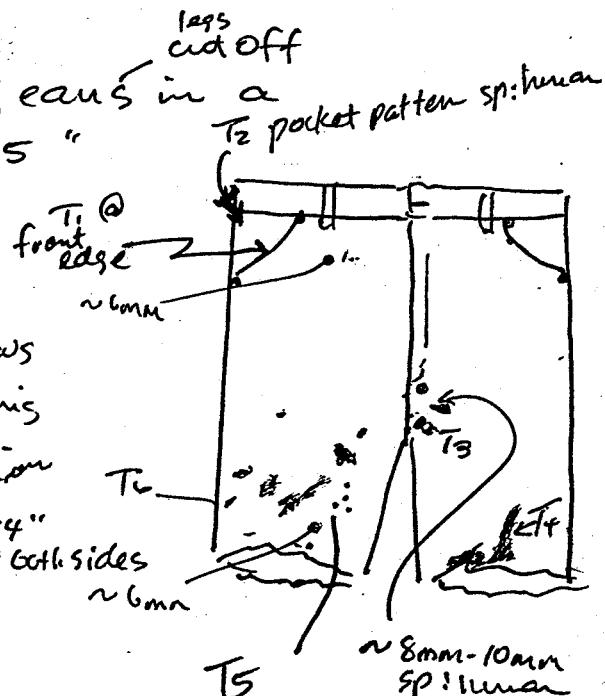
front, as shown

back - ~ mid of 'R' leg marked arrows

front 'L' pocket LMG: pos & stains

front 'R' pocket LMG: pos

T₂ stain pattern ~ 1" x 4"
down side of pocket both sides



Box of sack re opened 7/16/03
for photographs - L. Reynolds

[31]

Sealed sack labeled "#6"

N/A

030 3339
8 July 03
Cvw

Examined in the presence of
Det McCaskill ..

#33 - ^{Swabs from 17A :} sealed box with multiple
Samples (stapled sacks) (opened by Cvw with John
- removed # "Item 17A" <sup>McCaskill
(present)</sup>)

Beige tile ~ 8" x 8" - print area

15 mm stain LMG: pos sp: human

2 swabs from center

frozen

tile returned to box to McCaskill

0303339

aw

18 July 03

Rec'd 17 July 03 #51

from Leigh Mitchell :

51- Watch "Fred Belay" silver colored link band
with Black & gold colored face

LMG:Ø inside & outside

packaged in heat sealed plastic containing outer sealed

me labeled "... from Galveston P.D. ..." &

inner sealed white envelope labeled

"... suspect Billy Jack Crutinger... location Indiana

Recovered : 2005 23rd St (yellow cab stand) ... "

watch inside heat sealed plastic bag

0303339

CWJ

28 Aug 03

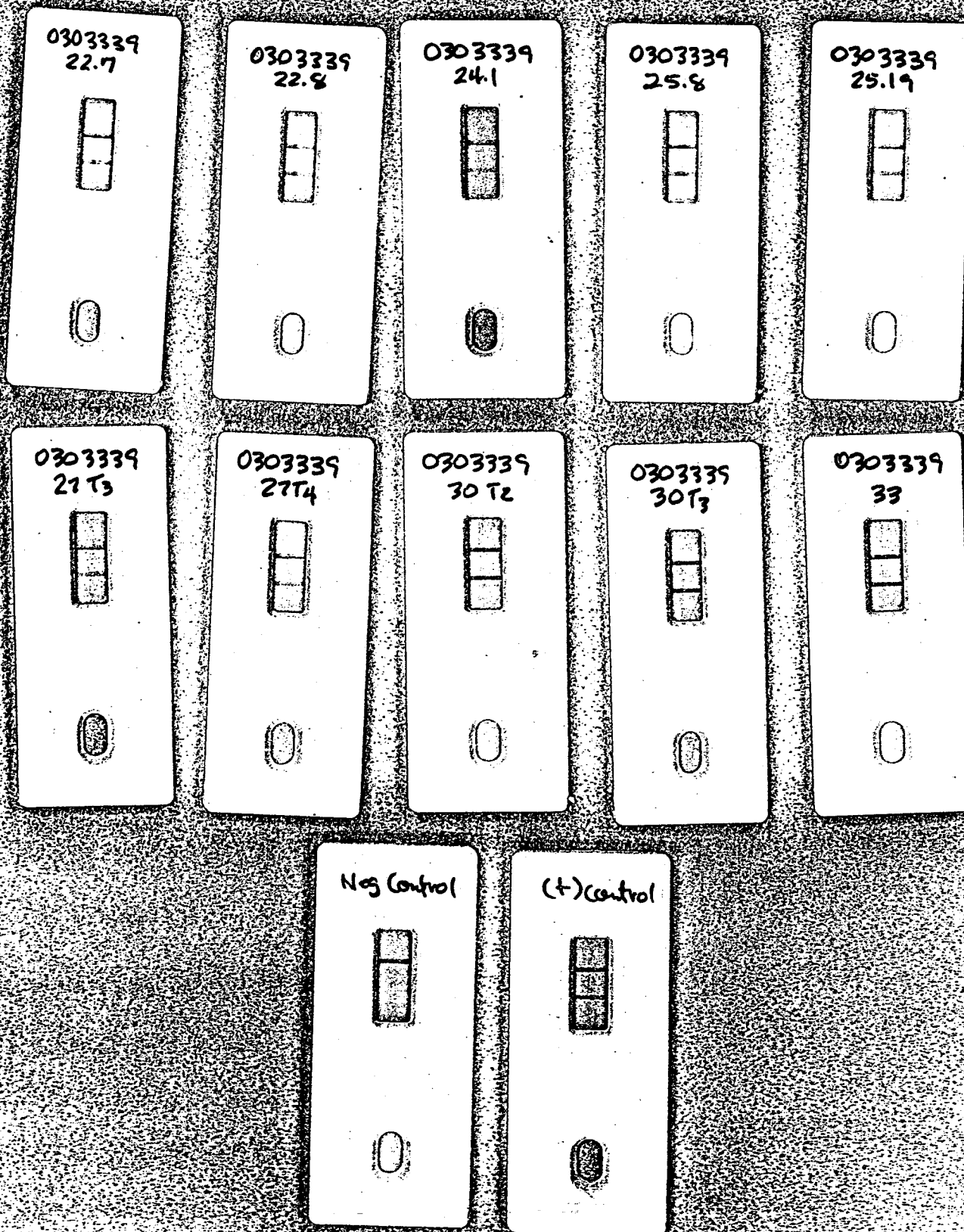
Rcd 27 Aug 03 from John McCaskill
#52

52 - Swabs (2) in a sealed me
labeled "... buccal ... Crutsinger,
Billy J. ... 8-27-03 ... "
Portion → DNA
frozen

0303339

23 July 03

(Civ)



TARRANT COUNTY MEDICAL EXAMINER'S OFFICE SEROLOGY

SEMEN / SALIVA DATA SHEET

Crime lab Number(s): 0303339Analyst: cuw

ITEM #/DESCRIPTION

AP

Sperm

P30
(ABA)

Amylase

LMG

118 SAK:

Sealed items as listed:

Date: 9-8-039/8/03

18.3	Oral smear		φ			
18.4	Vaginal smear		φ			
18.5	Anal smear		φ			
18.6	Oral swabs (4)	φ (x4)				
18.7	Vaginal swabs (6)	φ (x6)				
18.8	Anal swabs (4)	φ (x4)				
18.9	Perineal swabs (2)	φ (x2)				
18.10	Pulled Pubic hair					
18.11	Combed Pubic hair					
18.12	Pulled Scalp hair					

DISPOSITION: # 5 8.10 - 8.12 unopened

**TARRANT COUNTY MEDICAL EXAMINER'S OFFICE
SEROLOGY Q.C. DATA AND RESULTS**

Crime lab Number(s): 0303339

Analyst: CW

LOT NUMBERS /CONTROL RESULTS

Semen AP: (+) + (-) Ø Date: 9-6-03 Seri lot#: 1521 Exp. 1003

P30: _____ Date: _____ ABA lot#: _____

Blood LMG: (+) + (-) Ø Date: 7-7-03 lot#: 1217026P
+ Ø 7-8-03 1217026P
+ Ø 7-18-03 1217026P

Anti-human: (+) + (-) Ø Date: 7-23-03 ABA lot#: 33221202 Exp. June 2004

Ouchterlony: (+) _____ (-) _____ Date: _____ lot#: _____ Exp. _____

Luminol: (+) _____ (-) _____ Date: _____ Prep. Date: _____ Exp. _____

Saliva amylase: Date: _____ Buffer lot#: _____ Exp. _____

1:100 (+) _____ mm (-) _____ mm

1:500 (+) _____ mm

STR TYPING RESULTS

Crime Lab #s:

0303339

Analyst:

sum

Date:

3 Sept 03

Profiler Plus Alleles Detected:[illegible]

Tube & Sample Name	Module	Inj. Secs	Inj. kV	Run kV	Run °C	Run Time
D2 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A1 - 2625PP 0301210-26T1 CARPET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A3 - 2626PP 0301210-26T2 CARPET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A5 - 2627PP 0301210-27 CARPET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A7 - 2628PP 0301210-29 CARPET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A9 - 2629PP 0301210-30 CARPET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A11 - 2630PP 0301210-31 RYG	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C9 - 2641PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C11 - 2642PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D2 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B2 - 2631PP Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B6 - 2632PP K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B6 - 2633PP 03000T-23 JEAN 1B	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B8 - 2634PP 03000T-24 JEAN 2B\	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B10 - 2635PP 03000T-26 GLASS\	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D2 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B12 - 2636PP 03000T-9 M MORENO	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C1 - 2637PP 020858T-9 C PEREZ	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C3 - 2638PP 03000T-22 E GONZALEZ	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C5 - 2639PP 0303339-52 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C7 - 2640PP 022054(O)-18L	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C9 - 2641PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C11 - 2642PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D2 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D6 - 2633CO 030006T-23 JEAN 1B	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D6 - 2634CO 030006T-24 JEAN 2B	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D8 - 2635CO 030006T-26 GLASS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E11 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D10 - 2636CO 03000T-9 M MORENO	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D12 - 26331CO Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E1 - 2632CO K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E3 - 2639CO 0303339-52 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E3 - 2639CO 0303339-52 B CRUTSINGER	GS STR POP4 (1 mL) F	2	15.0	15.0	60	25
E5 - 2620R CO 0306140-23 A GARCIA	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E7 - 2641CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E9 - 2642CO NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E11 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25



100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400
332PP K EXT CONT 12 Blue 2632PP K EXT CONT

No Size Data

332PP K EXT CONT 12 Green 2632PP K EXT CONT

No Size Data

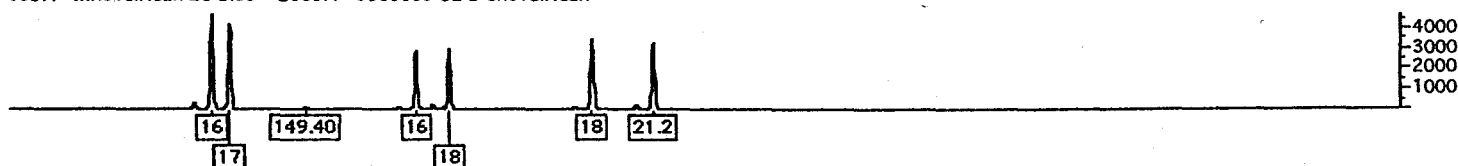
332PP K EXT CONT 12 Yellow 2632PP K EXT CONT

No Size Data

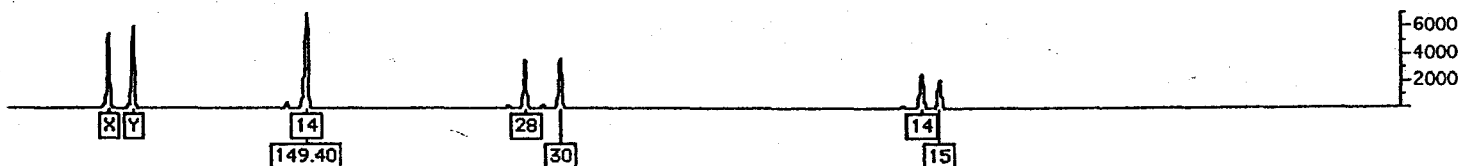
332PP K EXT CONT 12 Red 2632PP K EXT CONT



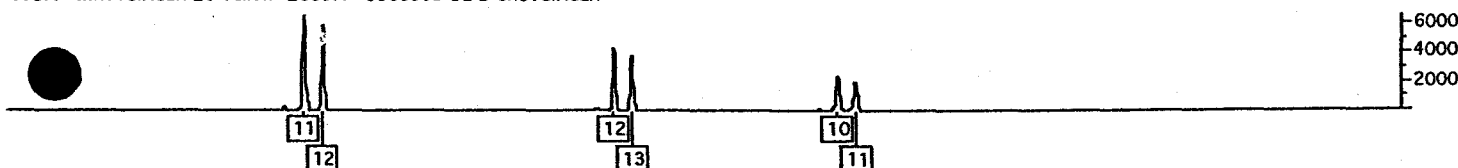
639PP ...RUTSINGER 20 Blue 2639PP 0303339-52 B CRUTSINGER



639PP ...RUTSINGER 20 Green 2639PP 0303339-52 B CRUTSINGER

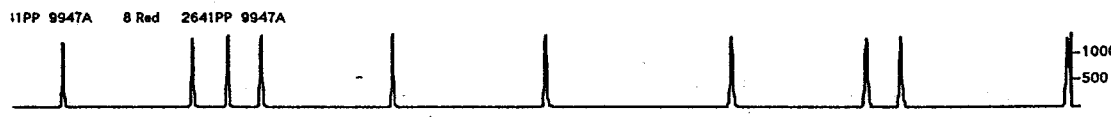
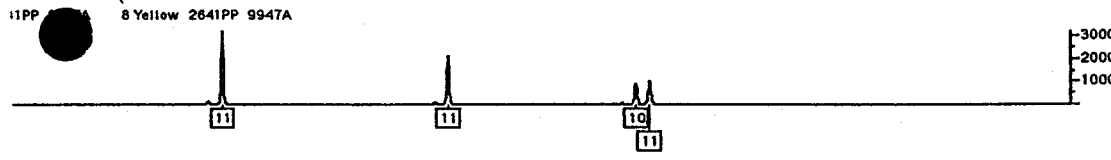
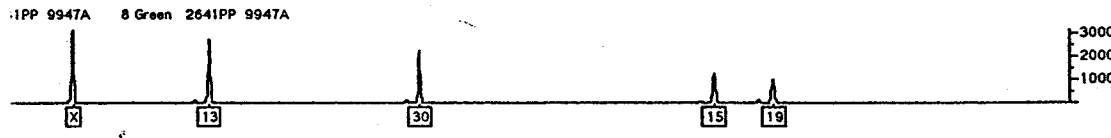
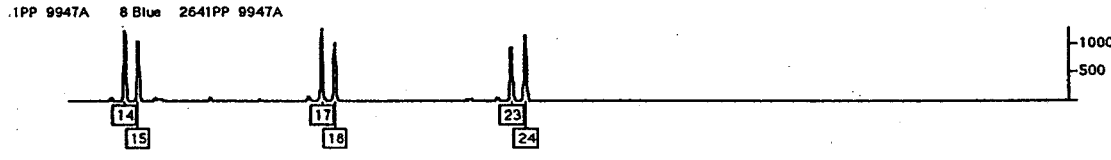
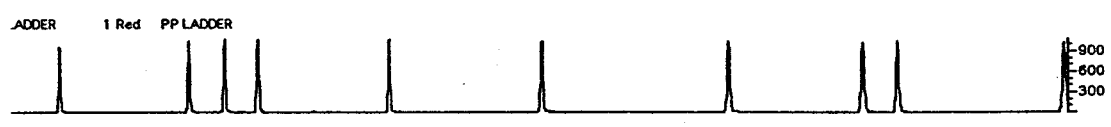
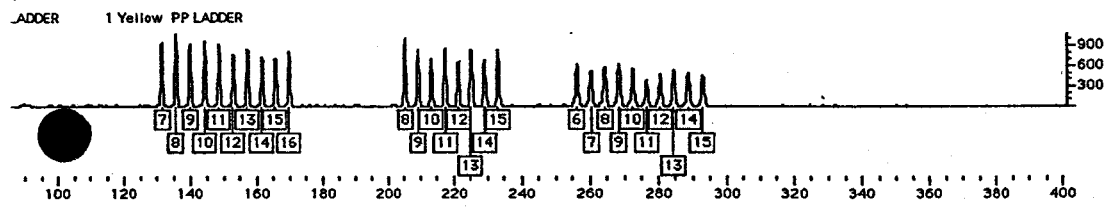
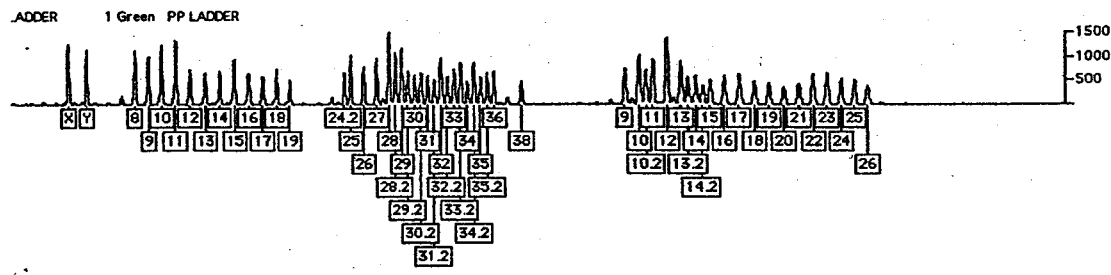
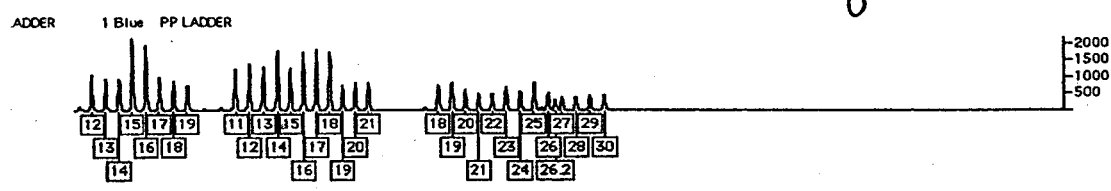


639PP ...RUTSINGER 20 Yellow 2639PP 0303339-52 B CRUTSINGER



639PP ...RUTSINGER 20 Red 2639PP 0303339-52 B CRUTSINGER





12PP AMP CONT 9 Blue 2642PP NEG AMP CONT

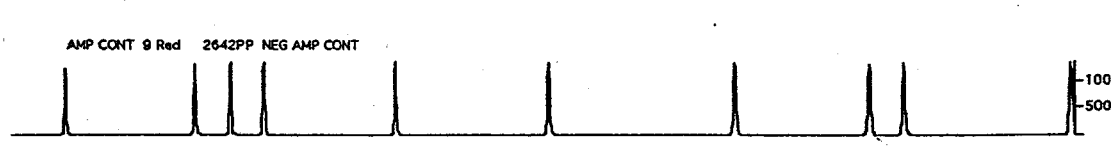
No Size Data

12PP AMP CONT 9 Green 2642PP NEG AMP CONT

No Size Data

12PP AMP CONT 9 Yellow 2642PP NEG AMP CONT

No Size Data



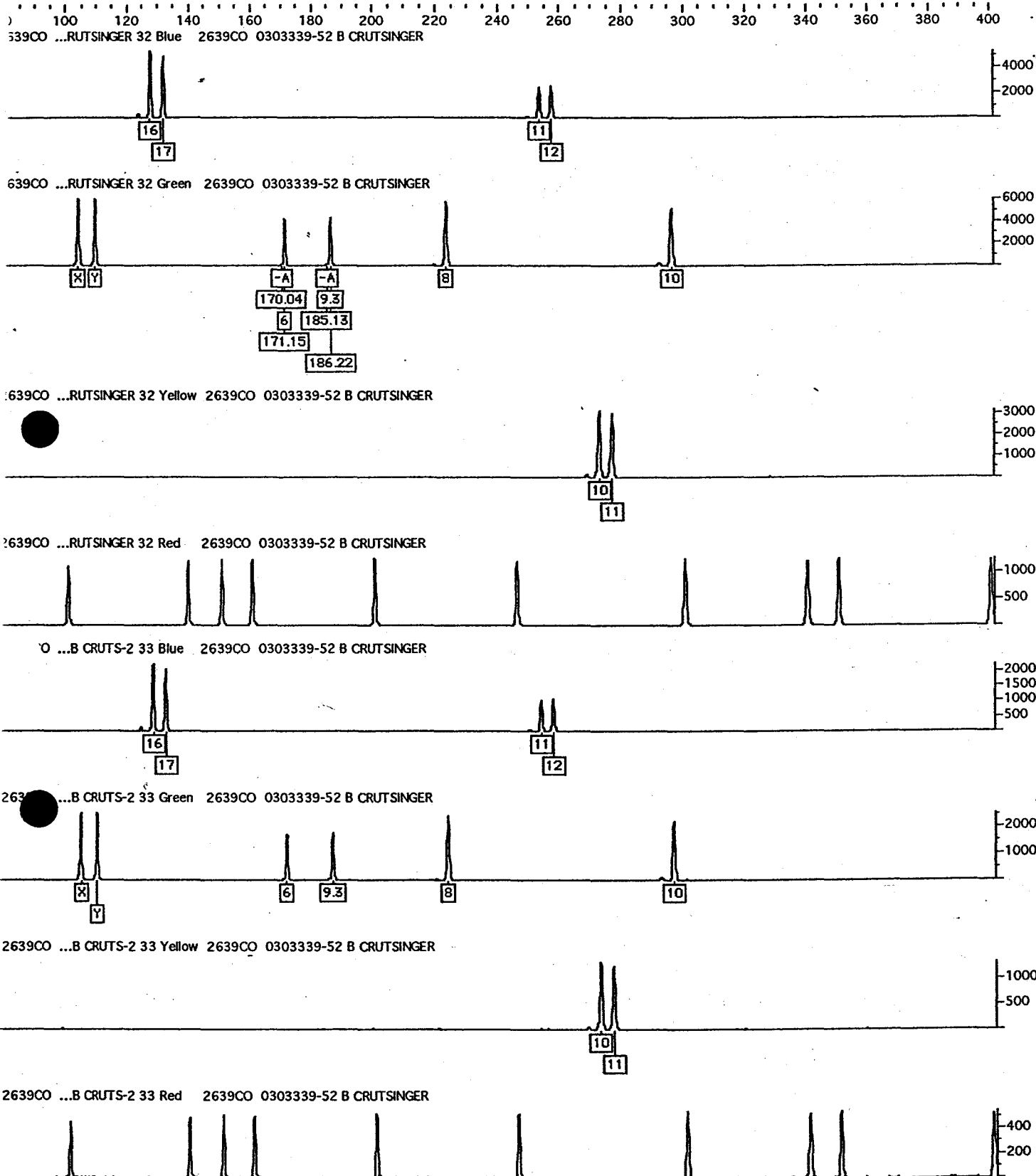
STR TYPING RESULTS

Crime Lab #: 0303339
 Analyst: Cuw
 Date: _____

COfiler Alleles Detected:

Sample Information	D3S1358	D16S539	Amel	TH01	TPOX	CSF1PO	D7S820	Comments
2639 ^{S2} R. Coutsinger	16,17	11,12	Xy	6,9.3	8	10	10,11	
2632 K Ex Cont.	—	—	—	—	—	—	—	
2641 9947A	14,15	11,12	X	8,9.3	8	10,12	10,11	
2642 Neg Amp	—	—	—	—	—	—	—	

Tube & Sample Name	Module	Inj. Secs	Inj. kV	Run kV	Run °C	Run Time
D2 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A1 - 2625PP 0301210-26T1 CARPET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A3 - 2626PP 0301210-26T2 CARPET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A5 - 2627PP 0301210-27 CARPET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A7 - 2628PP 0301210-29 CARPET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A9 - 2629PP 0301210-30 CARPET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A11 - 2630PP 0301210-31 RYG	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C9 - 2641PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C11 - 2642PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D2 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B2 - 2631PP Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B4 - 2632PP K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B6 - 2633PP 03000T-23 JEAN 1B	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B8 - 2634PP 03000T-24 JEAN 2B\	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B10 - 2635PP 03000T-26 GLASS\	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D2 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B12 - 2636PP 03000T-9 M MORENO	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C1 - 2637PP 020858T-9 C PEREZ	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C3 - 2638PP 03000T-22 E GONZALEZ	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C5 - 2639PP 0303339-52 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C7 - 2640PP 022054(O)-18L	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C9 - 2641PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C11 - 2642PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D2 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D4 - 2633CO 030006T-23 JEAN 1B	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D6 - 2634CO 030006T-24 JEAN 2B	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D8 - 2635CO 030006T-26 GLASS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E11 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D10 - 2636CO 03000T-9 M MORENO	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D12 - 2637CO Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E1 - 2632CO K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E3 - 2639CO 0303339-52 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E3 - 2639CO 0303339-52 B CRUTSINGER	GS STR POP4 (1 mL) F	2	15.0	15.0	60	25
E5 - 2620R CO 0306140-23 A GARCIA	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E7 - 2641CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E9 - 2642CO NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E11 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25





100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400
331CO ... EXT CONT 30 Blue 26321CO Q EXT CONT

No Size Data

331CO ... EXT CONT 30 Green 26321CO Q EXT CONT

No Size Data

331CO ... EXT CONT 30 Yellow 26321CO Q EXT CONT

No Size Data

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332CO K EXT CONT 31 Green 2632CO K EXT CONT

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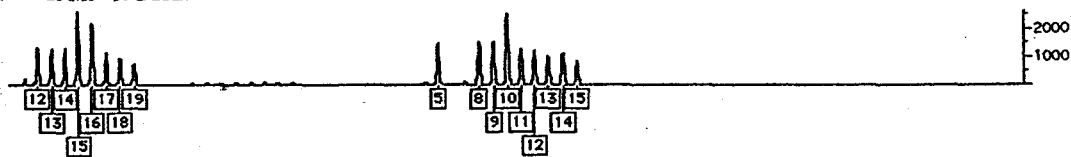
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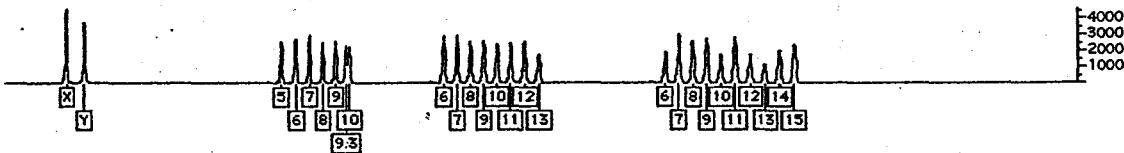
332CO K EXT CONT 31 Red 2632CO K EXT CONT



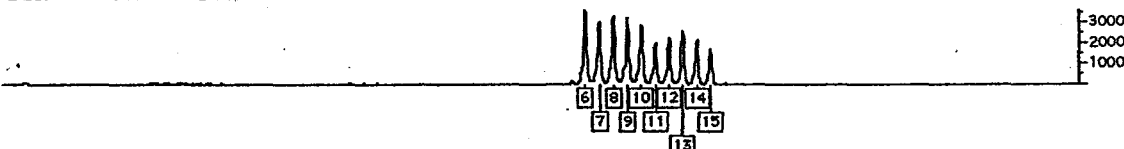
LADDER 28 Blue CO LADDER



LADDER 28 Green CO LADDER



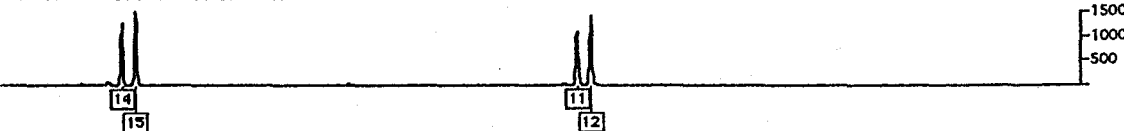
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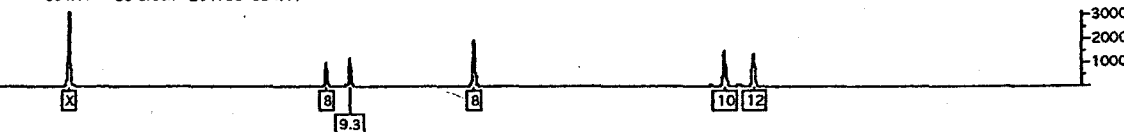
LADDER 28 Red CO LADDER



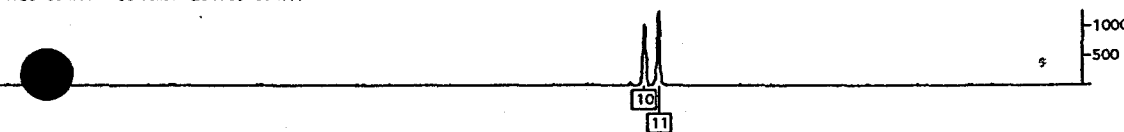
41CO 9947A 35 Blue 2641CO 9947A



9947A 35 Green 2641CO 9947A



341CO 9947A 35 Yellow 2641CO 9947A



641CO 9947A 35 Red 2641CO 9947A



642CO ... AMP CONT 36 Blue 2642CO NEG AMP CONT

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No Size Data

2642CO ... AMP CONT 36 Yellow 2642CO NEG AMP CONT

No Size Data

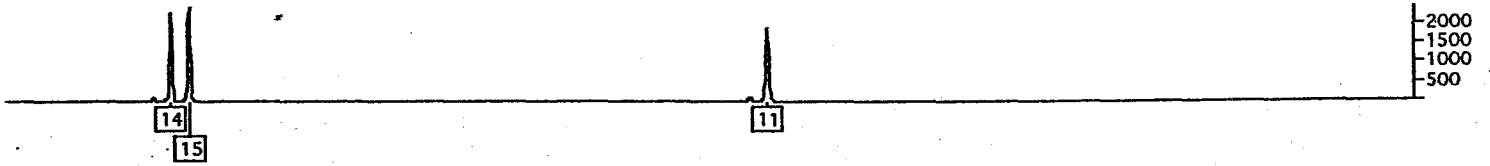
2642CO ... AMP CONT 36 Red 2642CO NEG AMP CONT



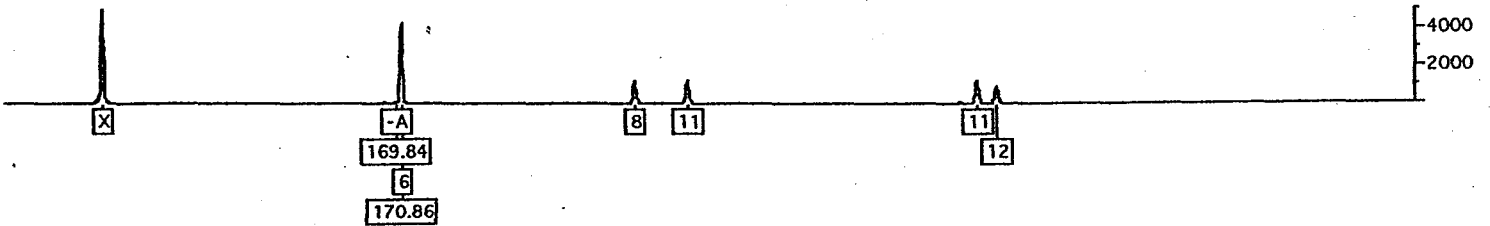
	Tube & Sample Name	Module	Inj. Secs	Inj. kV	Run kV	Run °C	Run Time
1	G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
2	G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
3	C7 - 2430CO - O EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
4	C11 - 2432CO - K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
5	D10 - 2456CO 0303339-20 PAT SYREN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
6	D12 - 2457CO 0303339-21 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
7	F8 - 2467CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
8	F10 - 2468CO NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
9	E1 - 2460CO 0305330-1.1 VAG SP	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
10	G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
11	E3 - 2461CO 0305330-1.4 A FREEMAN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
12	E5 - 2462CO 0305330-8 JAMES SIMS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
13	E7 - 2463CO 0305136-7 EC SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
14	E9 - 2464CO 0305136-7 SP SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
15	F8 - 2467CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
16	E11 - 2465CO 0305136-8.9 E BAXLEY	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
17	F2 - 2466CO 0305136-9 A TIGNOR	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
	G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
19	F4 - 2469CO 030440-19.1 T1 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
20	F6 - 2471CO 030440-16 P MAGOUIRK	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
21	F8 - 2467CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
22	F10 - 2468CO NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
23	F12 - 2479CO EC EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
24	G1 - 2481CO SP EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
25	G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
26							

100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400
100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400

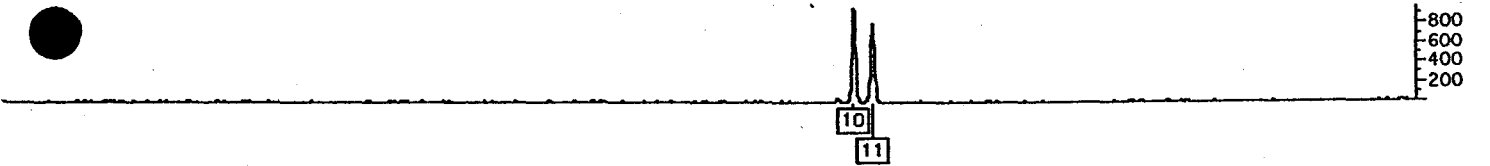
4 ...PAT SYREN 5 Blue 2456CO 0303339-20 PAT SYREN



456CO ...PAT SYREN 5 Green 2456CO 0303339-20 PAT SYREN



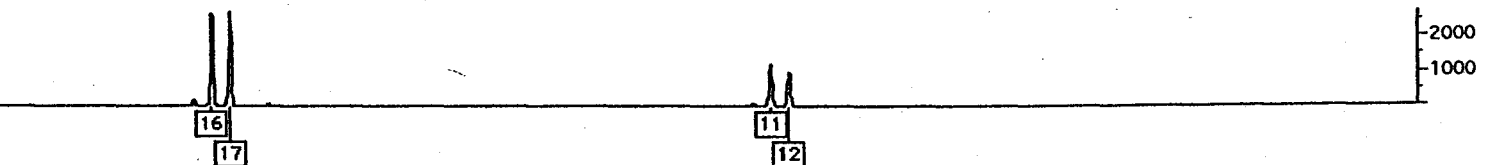
2456CO ...PAT SYREN 5 Yellow 2456CO 0303339-20 PAT SYREN



2456CO ...PAT SYREN 5 Red 2456CO 0303339-20 PAT SYREN



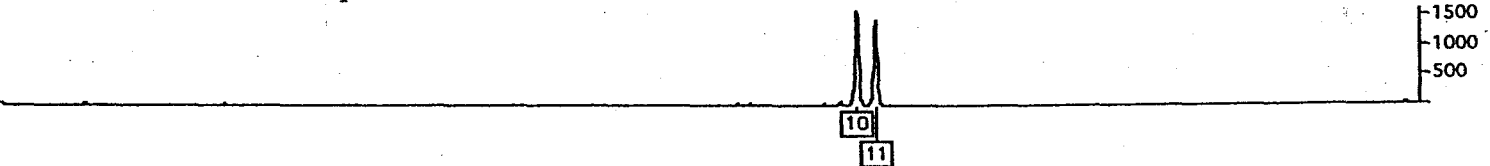
3 ...RUTSINGER 6 Blue 2457CO 0303339-21 B CRUTSINGER



2457CO ...RUTSINGER 6 Green 2457CO 0303339-21 B CRUTSINGER



2457CO ...RUTSINGER 6 Yellow 2457CO 0303339-21 B CRUTSINGER



2457CO ...RUTSINGER 6 Red 2457CO 0303339-21 B CRUTSINGER





100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400
13000 Q EXT CONT 3 Blue 243000 Q EXT CONT

No Size Data

13000 Q EXT CONT 3 Green 243000 Q EXT CONT

No Size Data

13000 Q EXT CONT 3 Yellow 243000 Q EXT CONT



13000 Q EXT CONT 3 Red 243000 Q EXT CONT



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43200 K EXT CONT 4 Yellow 243200 K EXT CONT

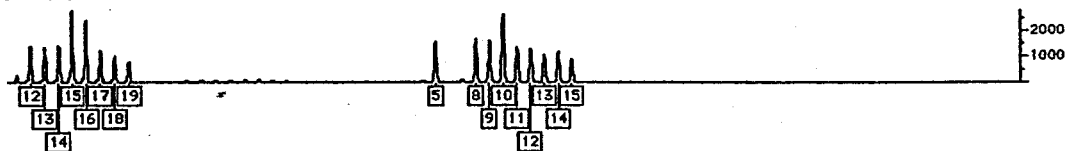


43200 K EXT CONT 4 Red 243200 K EXT CONT

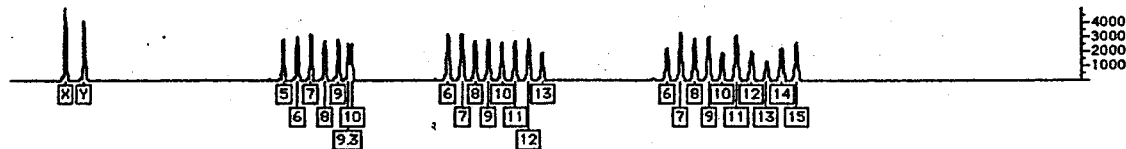




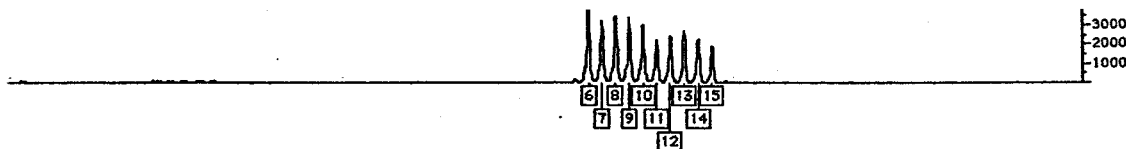
LADDER-3 10 Blue CO LADDER



LADDER-3 10 Green CO LADDER



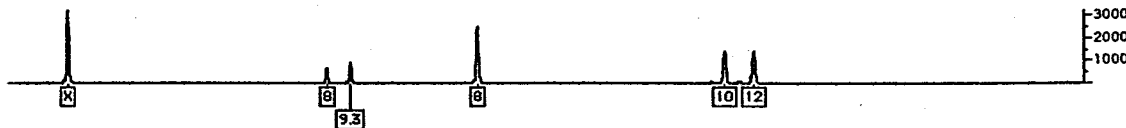
LADDER-3 10 Yellow CO LADDER



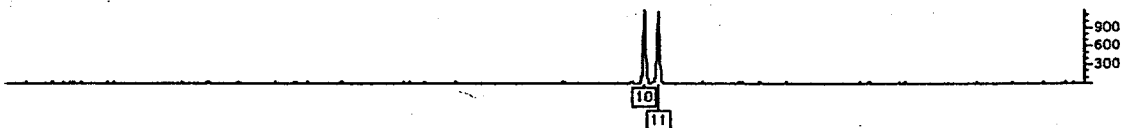
7CO 9947A 7 Blue 2467CO 9947A



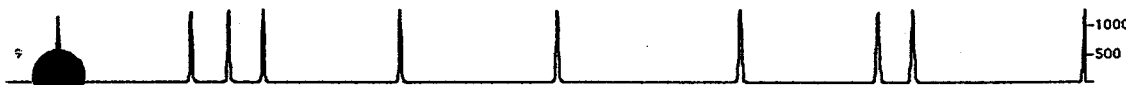
7CO 9947A 7 Green 2467CO 9947A



7CO 9947A 7 Yellow 2467CO 9947A



7CO 9947A 7 Red 2467CO 9947A



58CO AMP CONT 8 Blue 2468CO NEG AMP CONT

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58CO AMP CONT 8 Yellow 2468CO NEG AMP CONT



58CO AMP CONT 8 Red 2468CO NEG AMP CONT

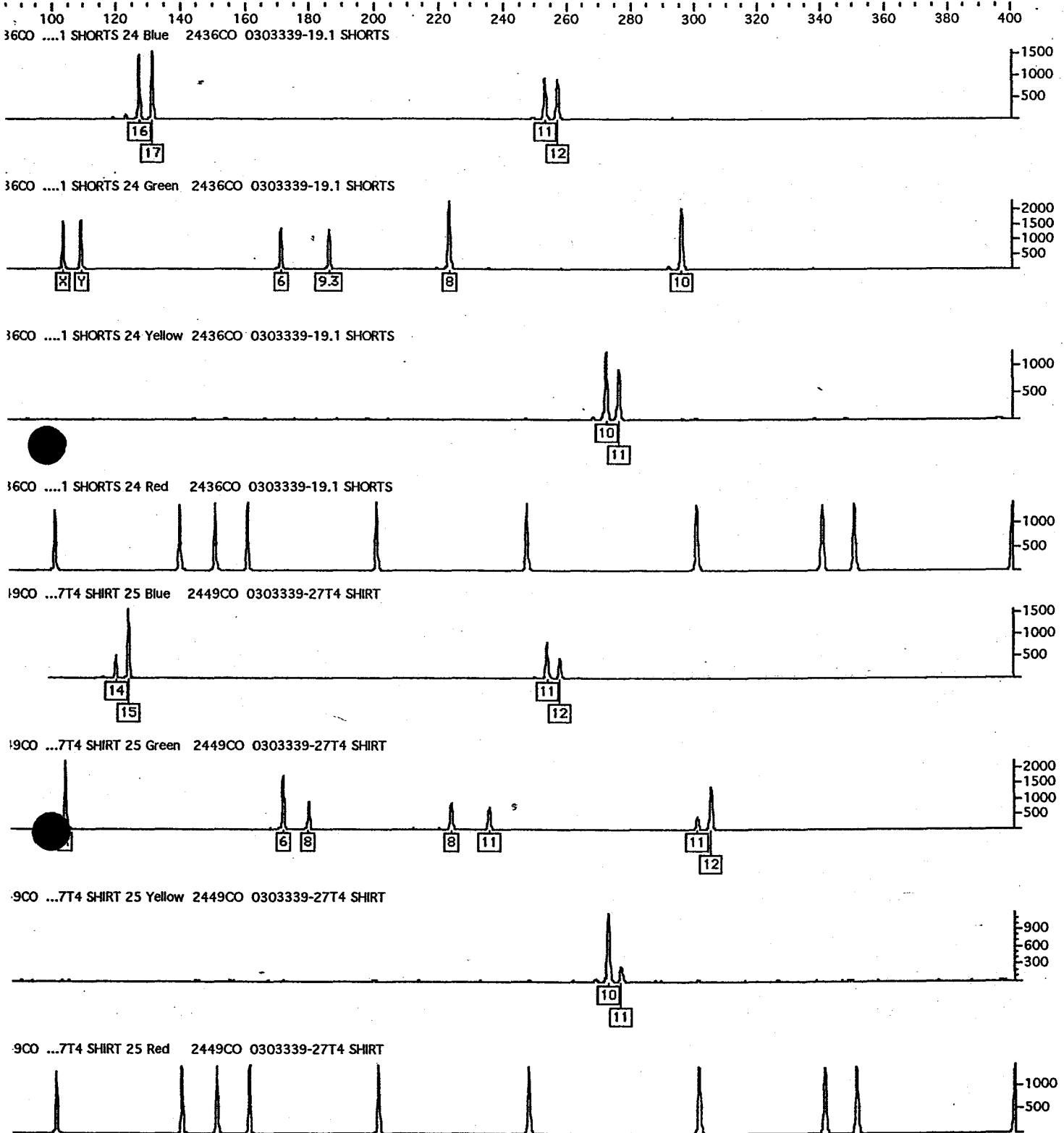


LADDER-3 10 Red CO LADDER





Tube & Sample Name	Module	Inj. Secs	Inj. kV	Run kV
B6 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0
B6 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0
A1 - 2451R PP 0303339-30T1 JEAN POCK	GS STR POP4 (1 mL) F	5	15.0	15.0
A3 - 2452R PP 0303339-30T2 JEAN POCK	GS STR POP4 (1 mL) F	5	15.0	15.0
A5 - 2482PP 010679T-27 M PEAKE	GS STR POP4 (1 mL) F	5	15.0	15.0
A7 - 2483PP 010679T-28 B BALLARD	GS STR POP4 (1 mL) F	5	15.0	15.0
A9 - 2484PP 010679T-29 D FROMME	GS STR POP4 (1 mL) F	5	15.0	15.0
A11 - 2485PP 010679T-30 T MILLS	GS STR POP4 (1 mL) F	5	15.0	15.0
B2 - 2486PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0
B4 - 2487PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0
B6 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0
B8 - 2382CO 030004T-26.5 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0
B10 - 2426CO 0203115-48 GLASS	GS STR POP4 (1 mL) F	5	15.0	15.0
B12 - 2427A SO 0306033-1.1T1 MASK	GS STR POP4 (1 mL) F	5	15.0	15.0
C1 - 2427B CO 0306033-1.2 T1 MASK	GS STR POP4 (1 mL) F	5	15.0	15.0
F8 - 2467CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0
F10 - 2468CO NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0
G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0
C3 - 2428CO 0305804-1.1 TISSUE	GS STR POP4 (1 mL) F	5	15.0	15.0
C5 - 2429CO 0305806-1 SWAB	GS STR POP4 (1 mL) F	5	15.0	15.0
C7 - 2430CO NEG CONT	GS STR POP4 (1 mL) F	5	15.0	15.0
C9 - 2431CO NEG EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0
C11 - 2432CO NEG EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0
D2 - 2436CO 0303339-19.1 SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0
D4 - 2439CO 0303339-27T4 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0
D6 - 2451CO 0303339-30T1 JEAN POCK	GS STR POP4 (1 mL) F	5	15.0	15.0
D12 - 2452CO 0303339-30T2 JEAN POCKT	GS STR POP4 (1 mL) F	5	15.0	15.0
G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0
F8 - 2467CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0
F10 - 2468CO NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0
D10 - 2456CO 0303339-20 PAT SYREN	GS STR POP4 (1 mL) F	5	15.0	15.0
D12 - 2457CO 0303339-21 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0
E1 - 2460CO 0305330-1.1 VAG SP	GS STR POP4 (1 mL) F	5	15.0	15.0
E3 - 2461CO 0305330-1.4 A FREEMAN	GS STR POP4 (1 mL) F	5	15.0	15.0
E5 - 2462CO 0305330-8 JAMES SIMS	GS STR POP4 (1 mL) F	5	15.0	15.0
G1 - 2481CO SP EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0
G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0
F4 - 2469CO 030440-19.1 T1 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0
F6 - 2471CO 030440-16 P MAGOUIRK	GS STR POP4 (1 mL) F	5	15.0	15.0





100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400

9CO ...7T4 SHIRT 25 Blue 2449CO 0303339-27T4 SHIRT

1500
1000
500

14
495
15
1554

11
796
12
448

9CO ...7T4 SHIRT 25 Green 2449CO 0303339-27T4 SHIRT

2000
1500
1000
500

X
2237

6 8
1726 912

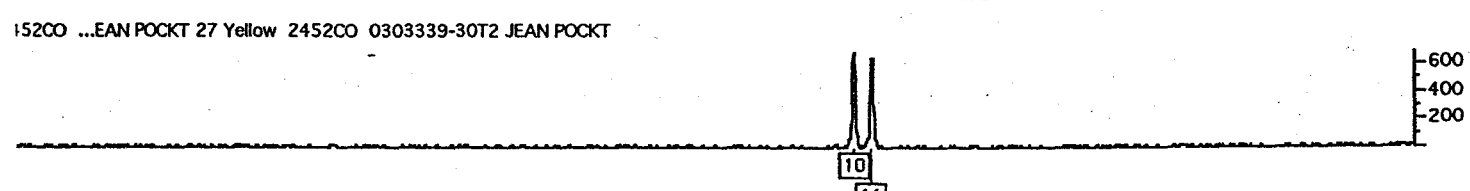
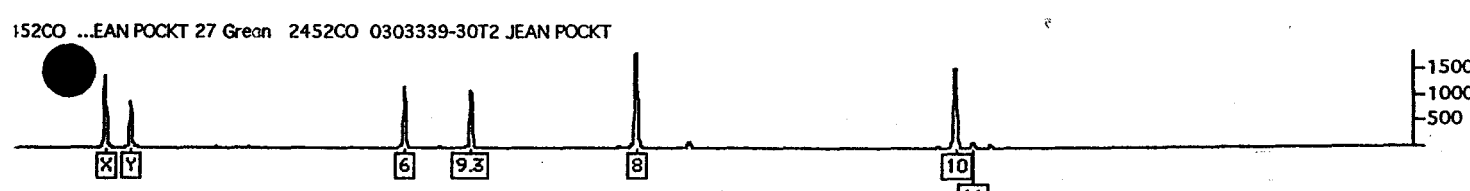
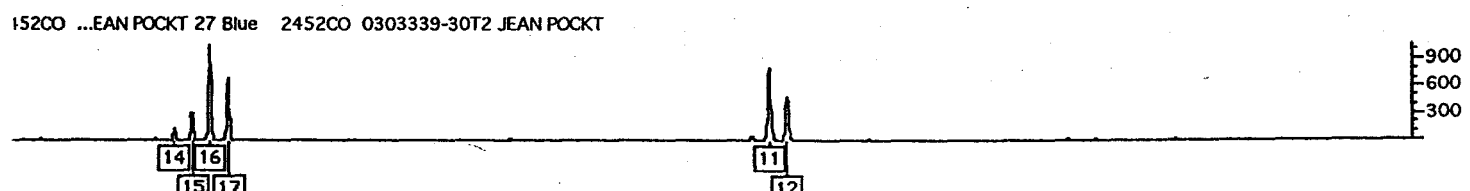
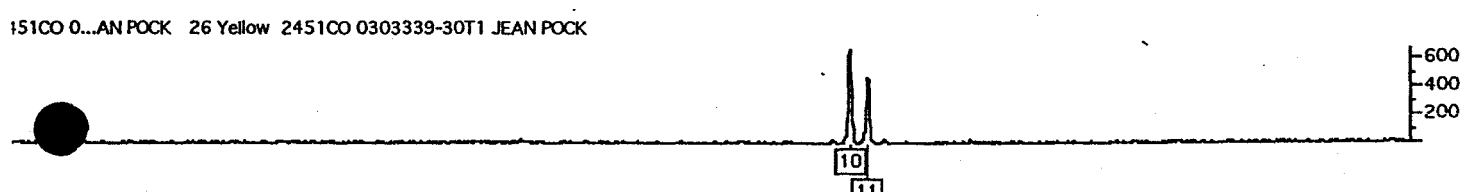
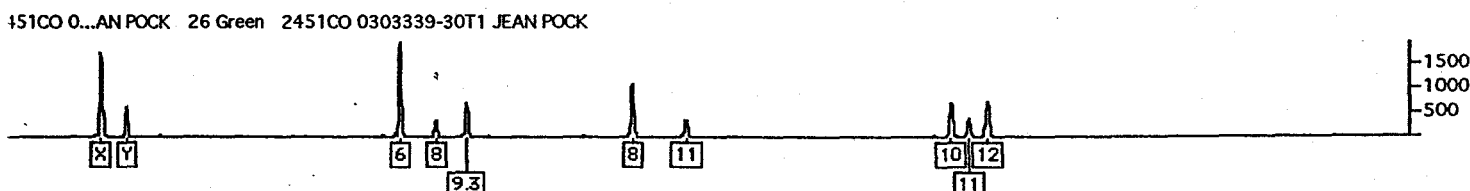
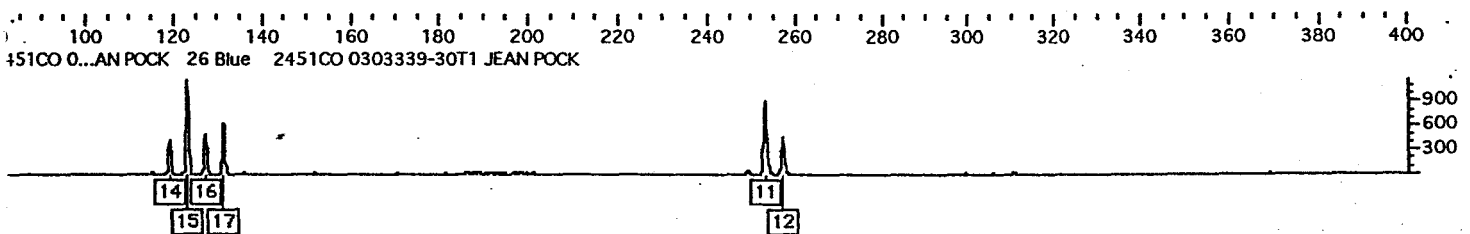
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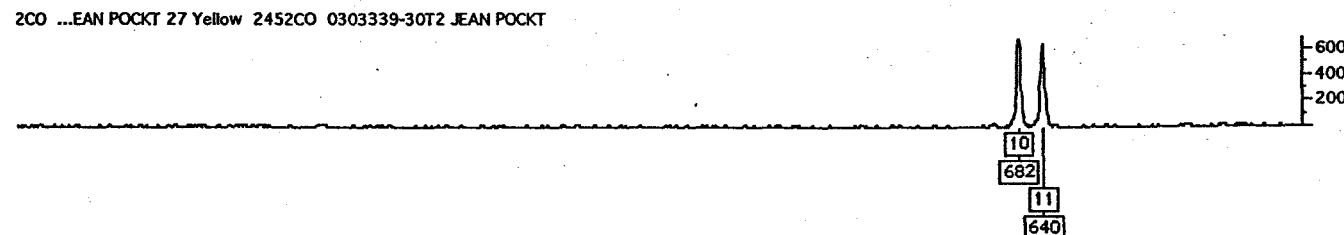
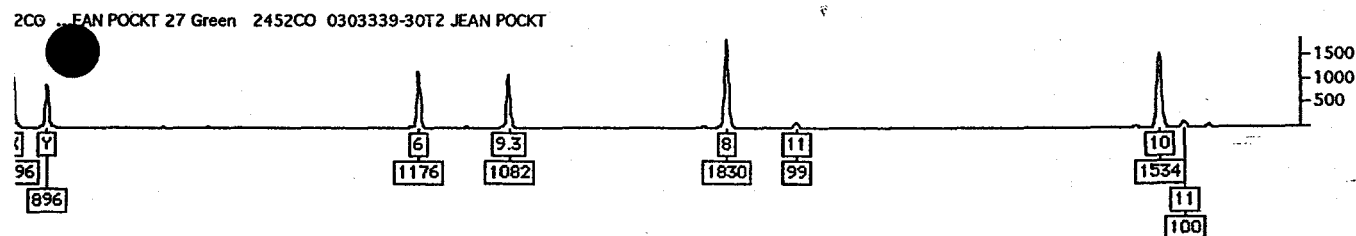
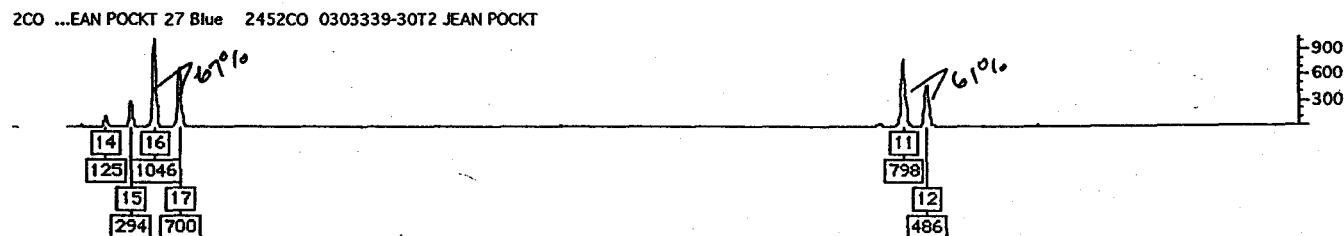
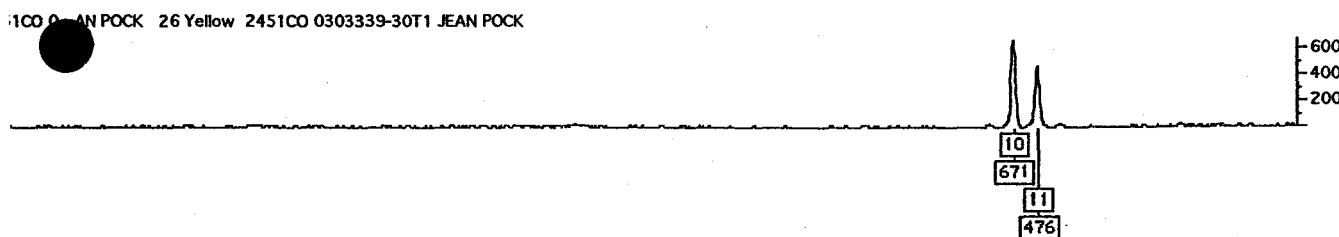
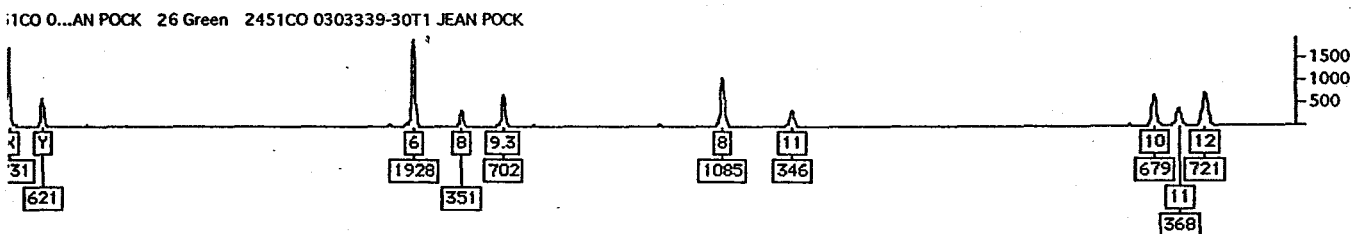
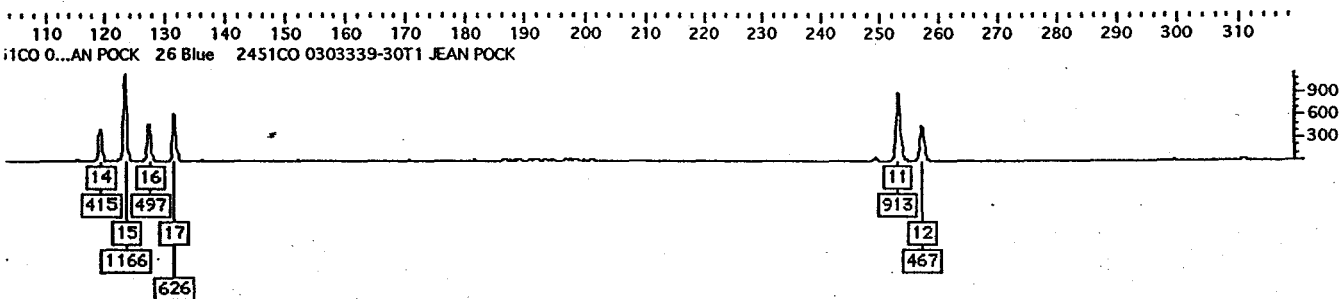
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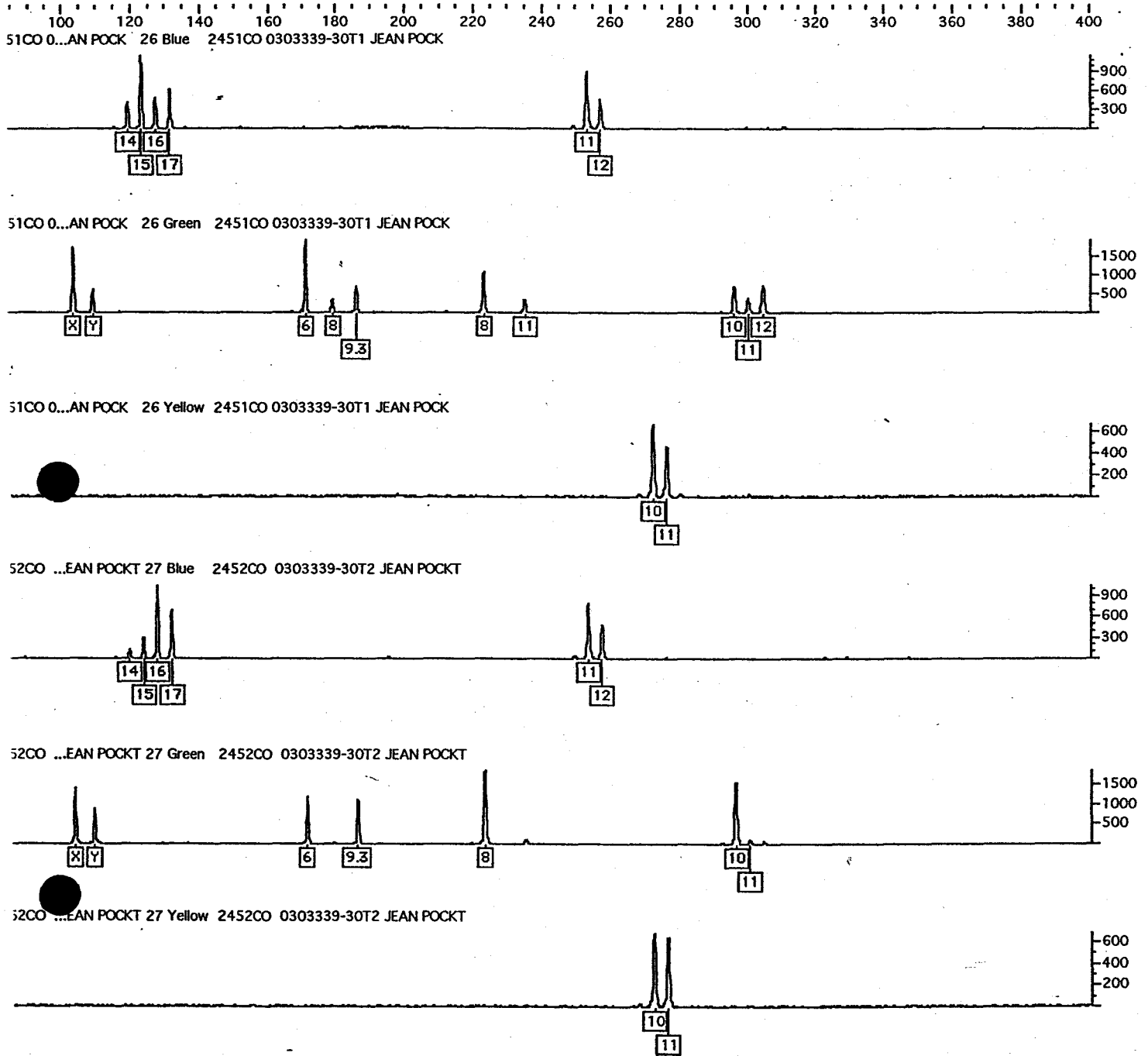
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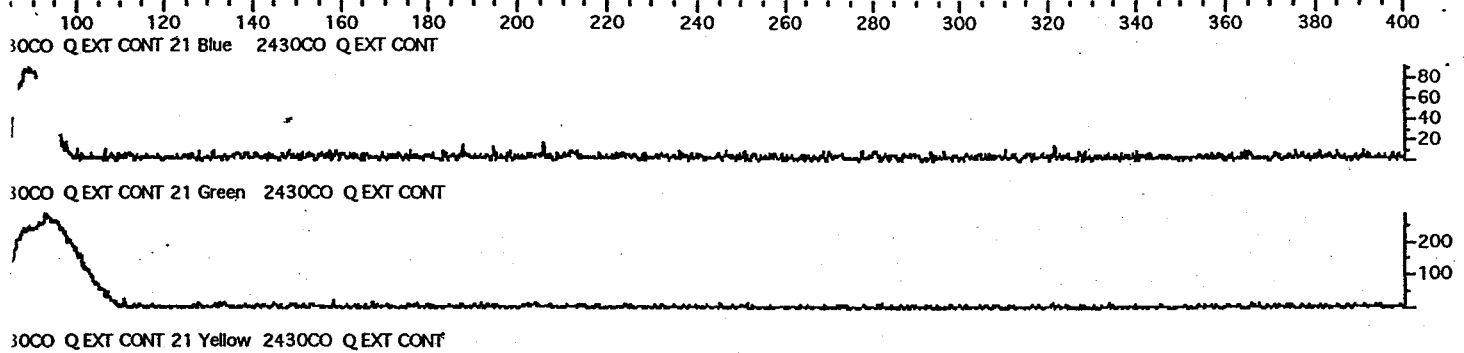
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600
300

10
1184
11
265

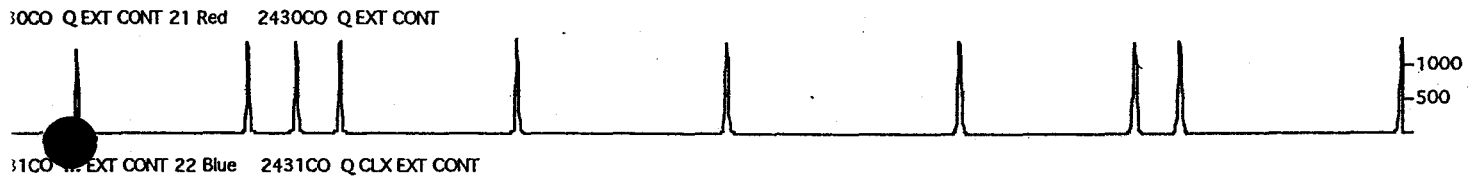








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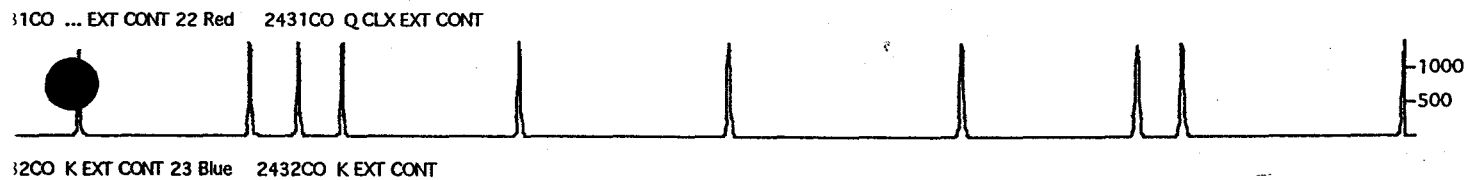
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No Size Data



No Size Data

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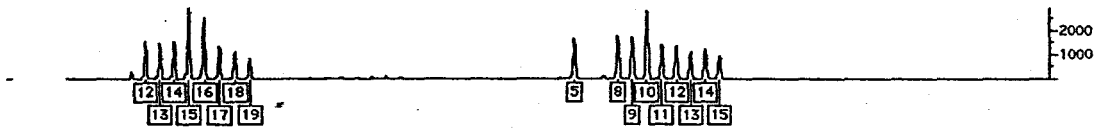
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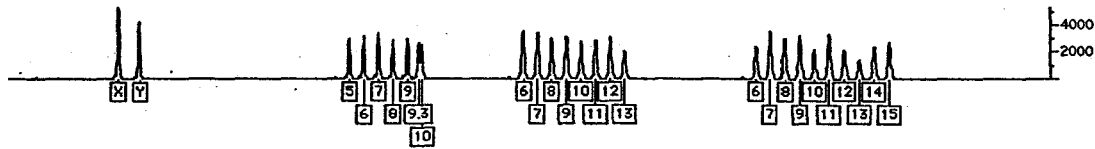




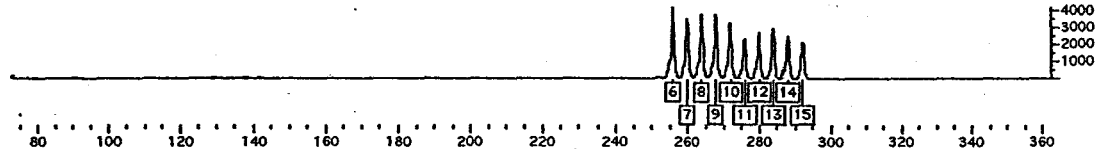
ADDER 18 Blue Ladder



ADDER 18 Green Ladder



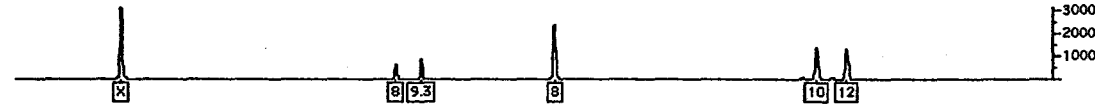
ADDER 18 Yellow Ladder



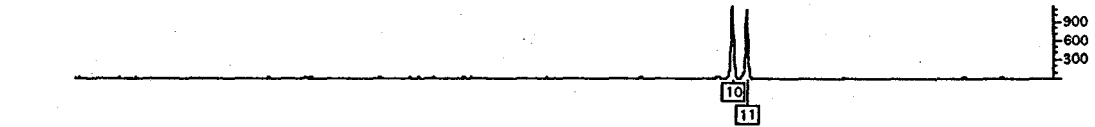
CO 9947A 16 Blue 2467CO 9947A



CO 9947A 16 Green 2467CO 9947A



CO 9947A 16 Yellow 2467CO 9947A



CO 9947A 16 Red 2467CO 9947A



CO ... AMP CONT 17 Blue 2468CO NEG AMP CONT

No Size Data

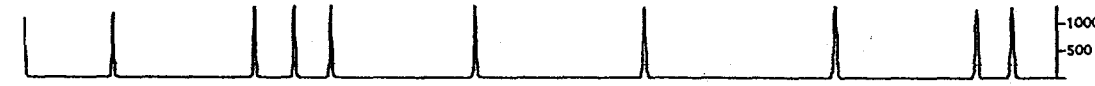
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CO ... AMP CONT 17 Yellow 2468CO NEG AMP CONT

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CO ... AMP CONT 17 Red 2468CO NEG AMP CONT

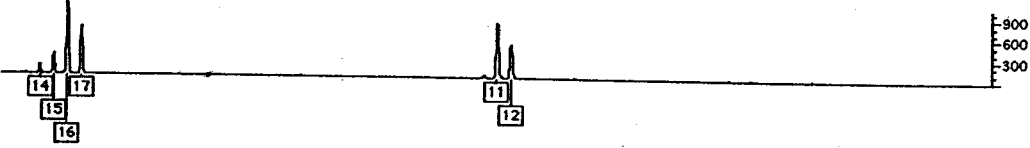


ADDER 18 Red Ladder

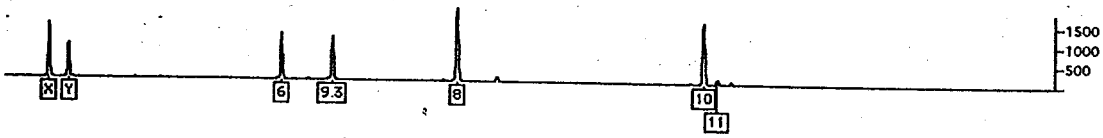




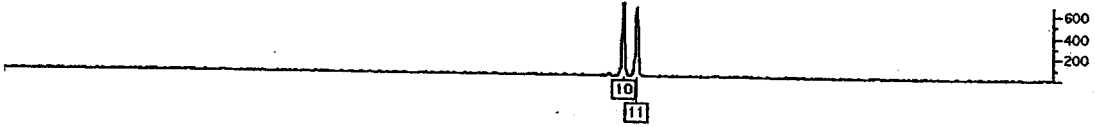
DO ...EAN POCKET 27 Blue 2452CO 0303339-30T2 JEAN POCKET



DO ...EAN POCKET 27 Green 2452CO 0303339-30T2 JEAN POCKET



DO ...EAN POCKET 27 Yellow 2452CO 0303339-30T2 JEAN POCKET



DO ...EAN POCKET 27 Red 2452CO 0303339-30T2 JEAN POCKET

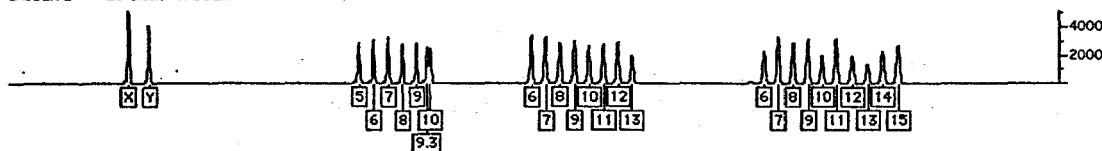




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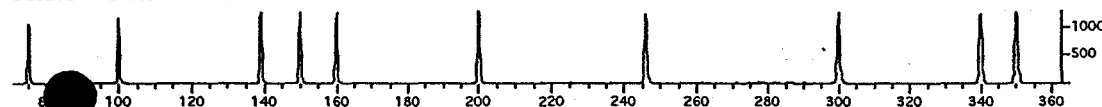
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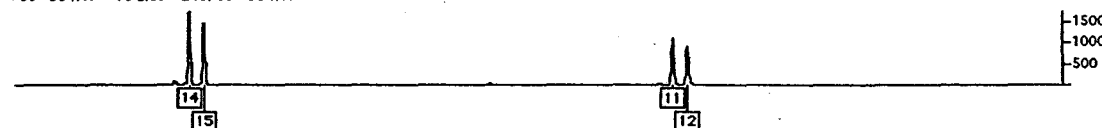
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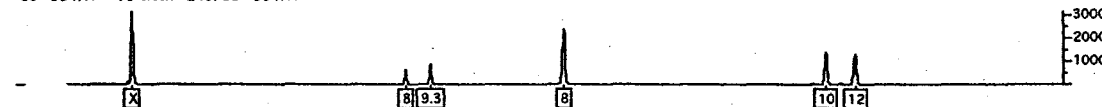
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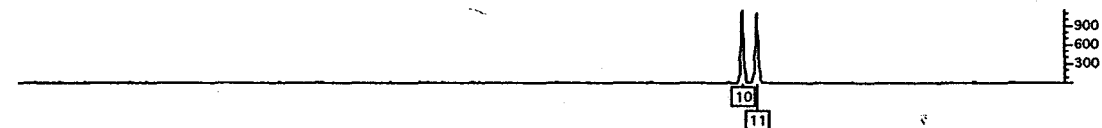
7CO 9947A 16 Blue 2467CO 9947A



7CO 9947A 16 Green 2467CO 9947A



7CO 9947A 16 Yellow 2467CO 9947A



7CO 9947A 16 Red 2467CO 9947A



CO ... AMP CONT 17 Blue 2468CO NEG AMP CONT

No Size Data

CO ... AMP CONT 17 Green 2468CO NEG AMP CONT

No Size Data

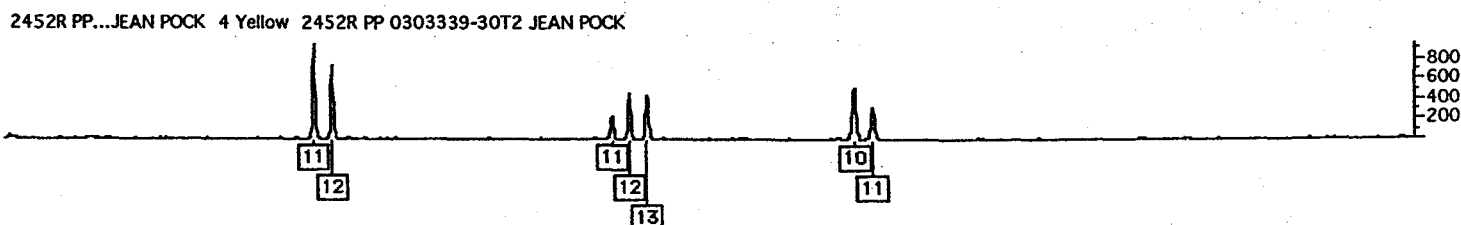
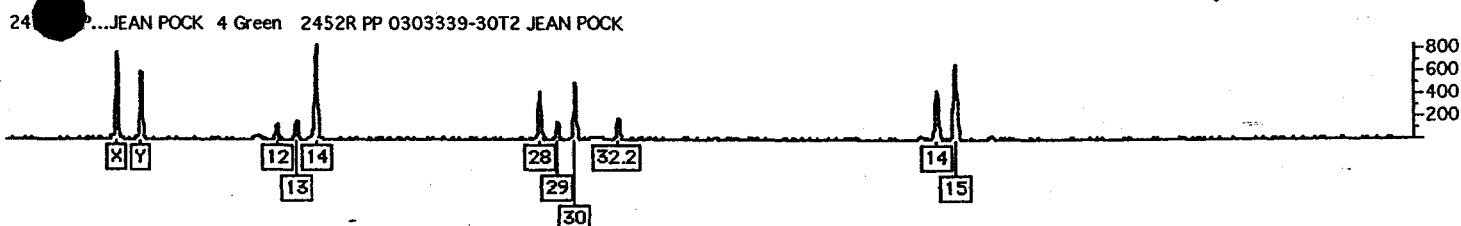
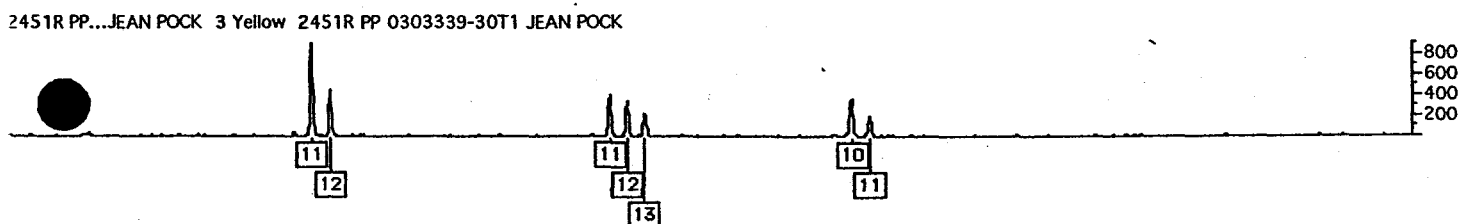
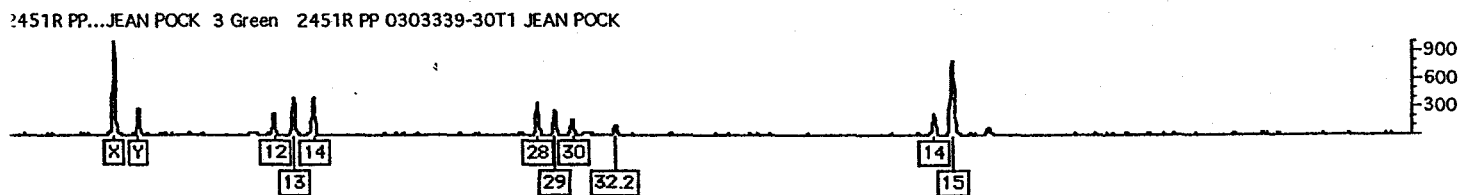
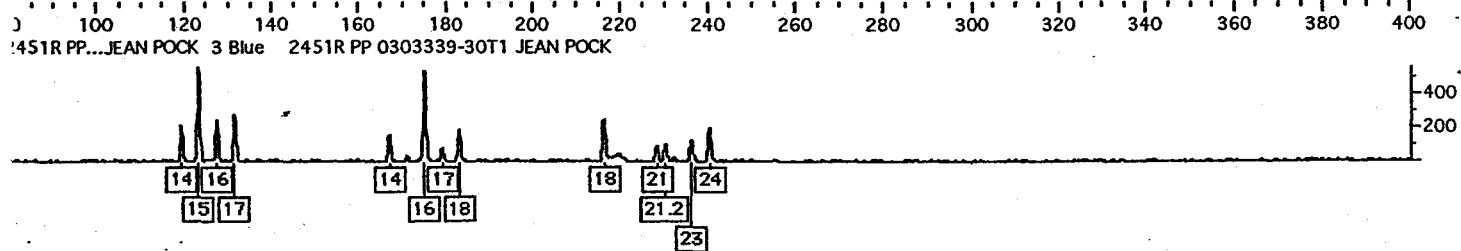
CO ... AMP CONT 17 Yellow 2468CO NEG AMP CONT

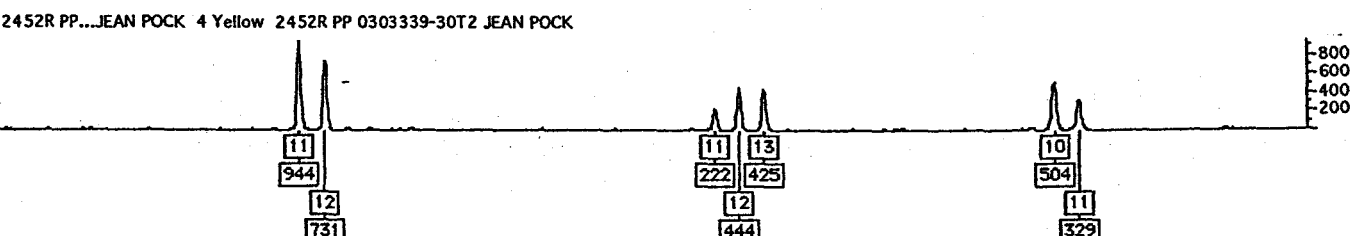
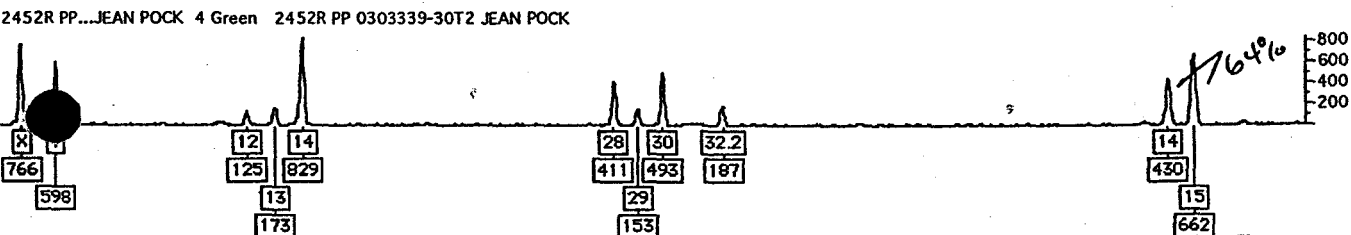
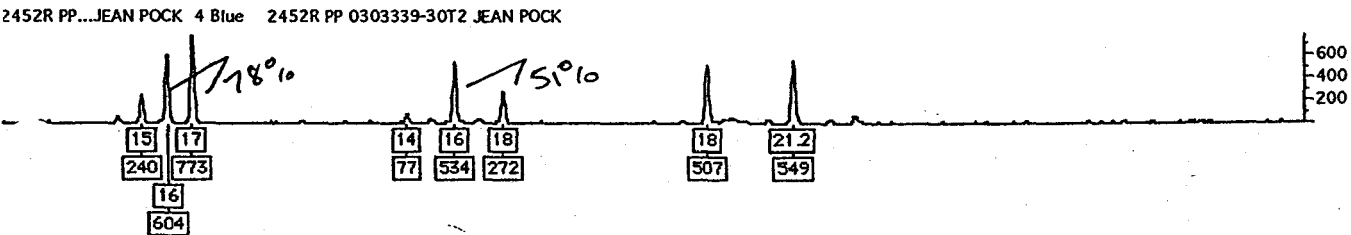
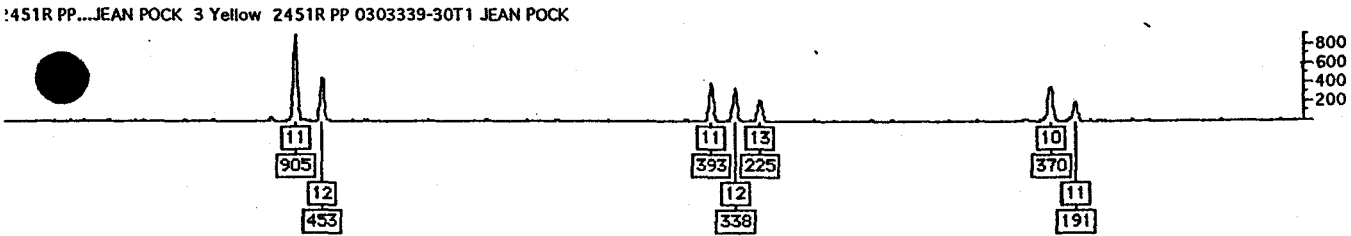
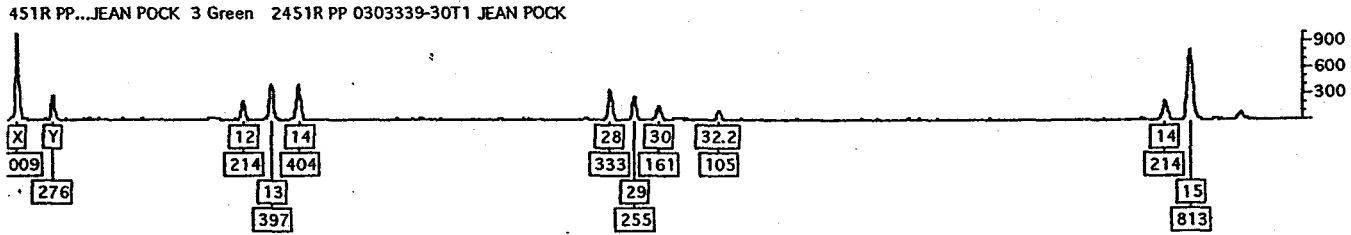
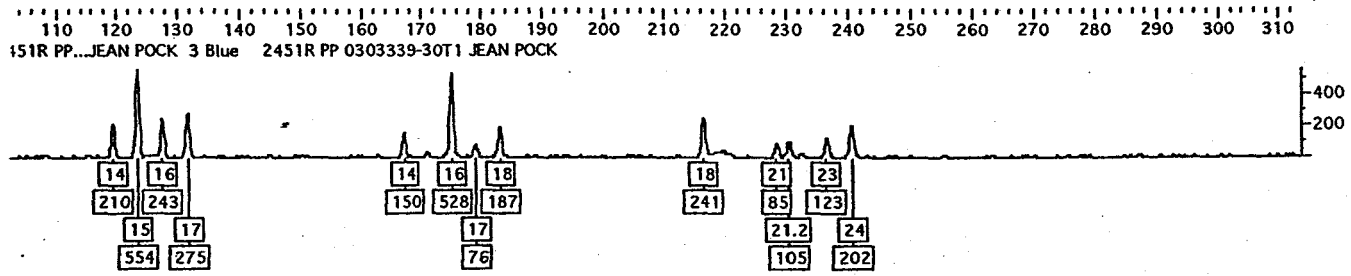
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CO ... AMP CONT 17 Red 2468CO NEG AMP CONT



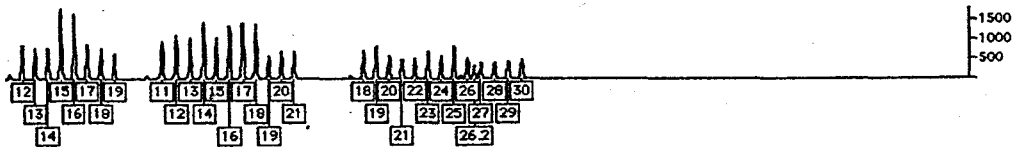
Tube & Sample Name	Module	Inj. Secs	Inj. kV	Run kV	Run °C	Run Time	Matrix file	Auto Anlz
PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B6 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A1 - 2451R PP 0303339-30T1 JEAN POCK	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A3 - 2452R PP 0303339-30T2 JEAN POCK	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A5 - 2482PP 010679T-27 M PEAKE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A7 - 2483PP 010679T-28 B BALLARD	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A9 - 2484PP 010679T-29 D FROMME	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A11 - 2485PP 010679T-30 T MILLS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B2 - 2486PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B4 - 2487PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B6 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B8 - 2382CO 030004T-26.5 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B10 - 2426CO 0203115-48 GLASS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B12 - 2427A SO 0306033-1.1T1 MASK	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C1 - 2427B CO 0306033-1.2 T1 MASK	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F1 - 2467CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F10 - 2468CO NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C3 - 2428CO 0305804-1.1 TISSUE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C5 - 2429CO 0305806-1 SWAB	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C7 - 2430CO Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C9 - 2431CO Q CLX EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C11 - 2432CO K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D2 - 2436CO 0303339-19.1 SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
- 2449CO 0303339-27T4 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D6 - 2451CO 0303339-30T1 JEAN POCK	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D8 - 2452CO 0303339-30T2 JEAN POCKT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F8 - 2467CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F10 - 2468CO NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
- 2456CO 0303339-20 PAT SYREN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D12 - 2457CO 0303339-21 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E1 - 2460CO 0305330-1.1 VAG SP	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E3 - 2461CO 0305330-1.4 A FREEMAN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E5 - 2462CO 0305330-8 JAMES SIMS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
G1 - 2481CO SP EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F4 - 2469CO 030440-19.1 T1 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F6 - 2471CO 030440-16 P MAGOUIRK	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off



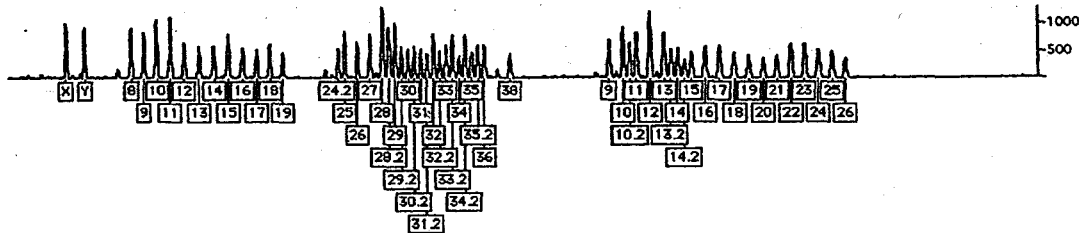




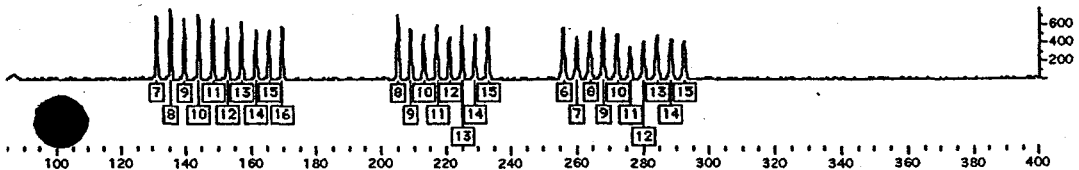
LADDER-2 2 Blue PP LADDER



LADDER-2 2 Green PP LADDER



LADDER-2 2 Yellow PP LADDER



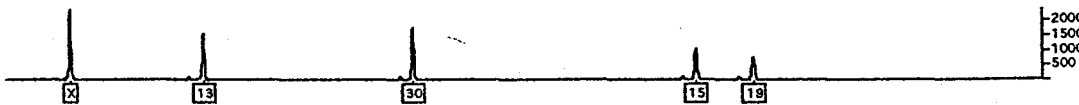
LADDER-2 2 Red PP LADDER



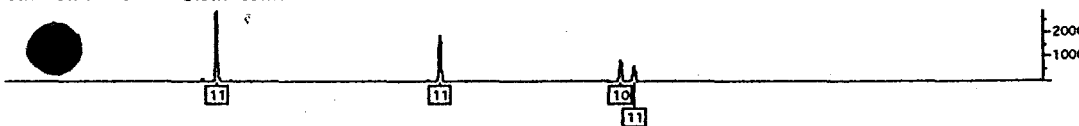
86PP 9947A 9 Blue 2486PP 9947A



86PP 9947A 9 Green 2486PP 9947A



86PP 9947A 9 Yellow 2486PP 9947A



86PP 9947A 9 Red 2486PP 9947A



187PP ... AMP CONT 10 Blue 2487PP NEG AMP CONT



187PP ... AMP CONT 10 Green 2487PP NEG AMP CONT



487PP ... AMP CONT 10 Yellow 2487PP NEG AMP CONT



487PP ... AMP CONT 10 Red 2487PP NEG AMP CONT



No Size Data

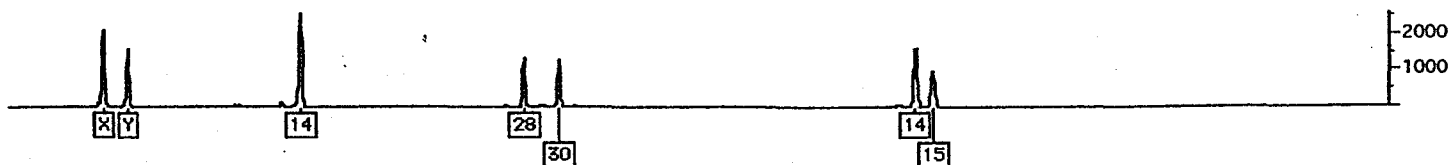
Tube & Sample Name	Module	Inj. Secs	Inj. kV	Run kV	Run °C
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60
D12 - 2430PP ORG Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60
E3 - 2432PP K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60
F10 - 2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60
F12 - 2468PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60
G1 - 2472PP 0305837-3 EC ORAL	GS STR POP4 (1 mL) F	5	15.0	15.0	60
G3 - 2473PP 0305837-3 SP ORAL	GS STR POP4 (1 mL) F	5	15.0	15.0	60
G5 - 2474PP 0305837-2 PAPER	GS STR POP4 (1 mL) F	5	15.0	15.0	60
G7 - 2475PP 0305837-2 SP PAPER	GS STR POP4 (1 mL) F	5	15.0	15.0	60
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60
- 2476PP 0305837-8 PENILE	GS STR POP4 (1 mL) F	5	15.0	15.0	60
G11 - 2477PP 0305837-12 E MARTINEZ	GS STR POP4 (1 mL) F	5	15.0	15.0	60
H2 - 2478PP 0305837-13 B MENDOZA	GS STR POP4 (1 mL) F	5	15.0	15.0	60
H6 - 2480PP EC2 EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60
H8 - 2481PP SP EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60
B4 - 2442PP 0303339-25.8 STEER WHEEL	GS STR POP4 (1 mL) F	5	15.0	15.0	60
C7 - 2450PP 0303339-27T5 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60
F10 - 2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60

100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400
100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400

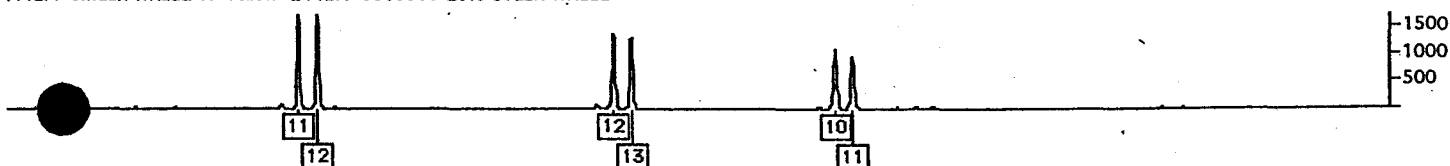
4' O...EER WHEEL 17 Blue 2442PP 0303339-25.8 STEER WHEEL



442PP O...EER WHEEL 17 Green 2442PP 0303339-25.8 STEER WHEEL



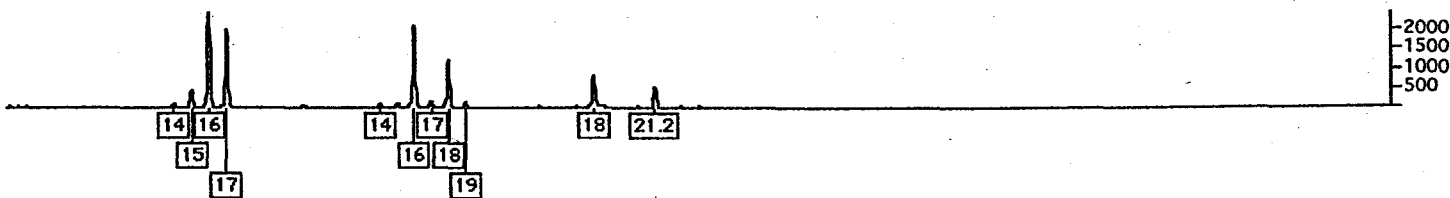
442PP O...EER WHEEL 17 Yellow 2442PP 0303339-25.8 STEER WHEEL



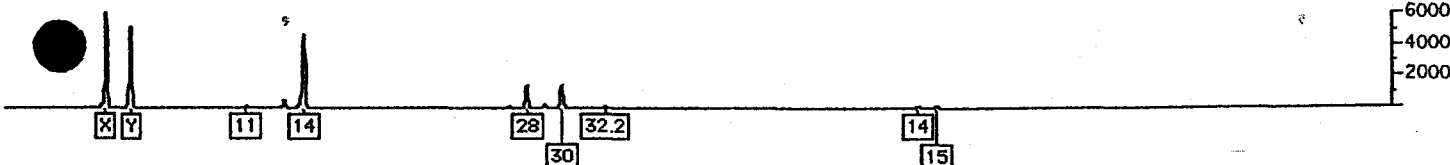
2442PP O...EER WHEEL 17 Red 2442PP 0303339-25.8 STEER WHEEL



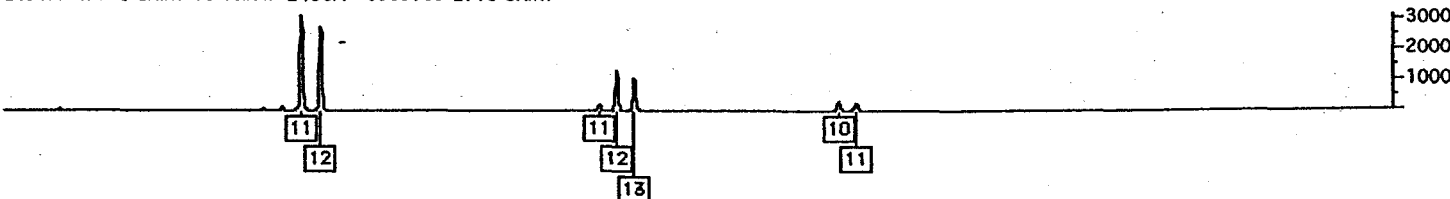
2450PP ...7T5 SHIRT 18 Blue 2450PP 0303339-27T5 SHIRT



2450PP ...7T5 SHIRT 18 Green 2450PP 0303339-27T5 SHIRT

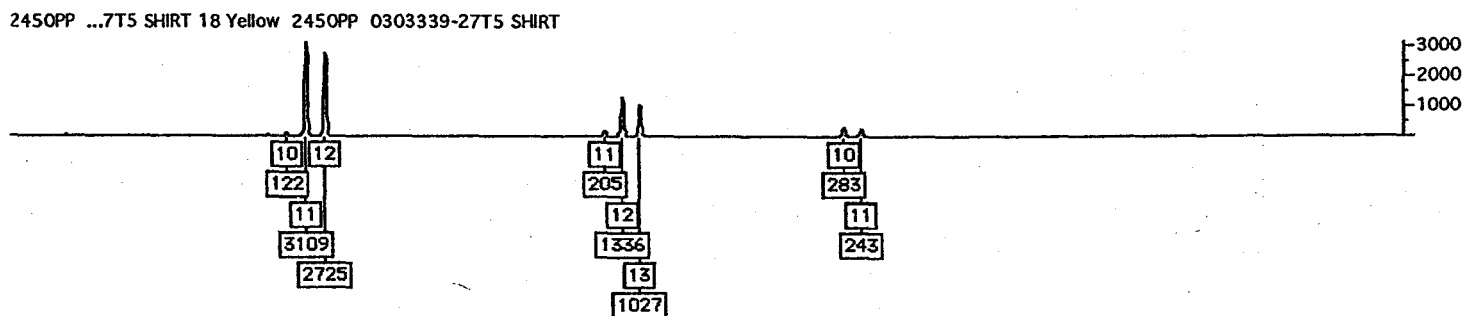
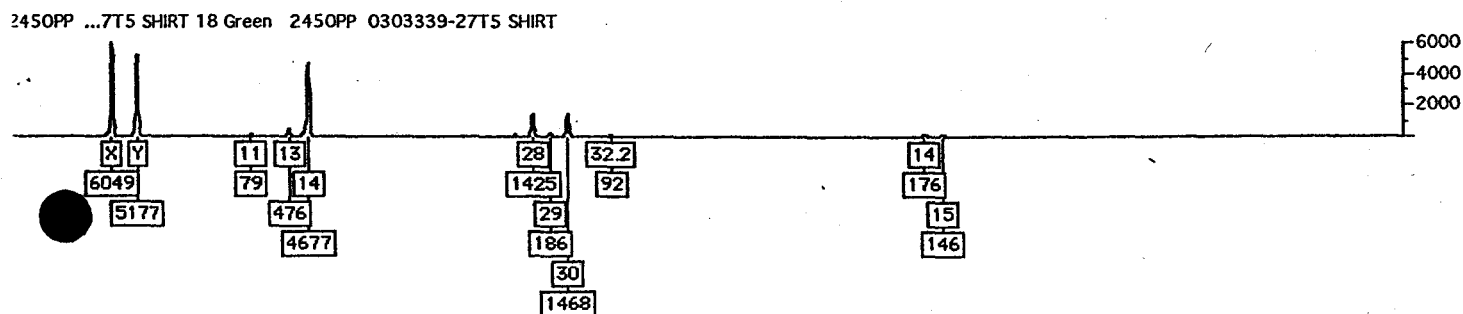
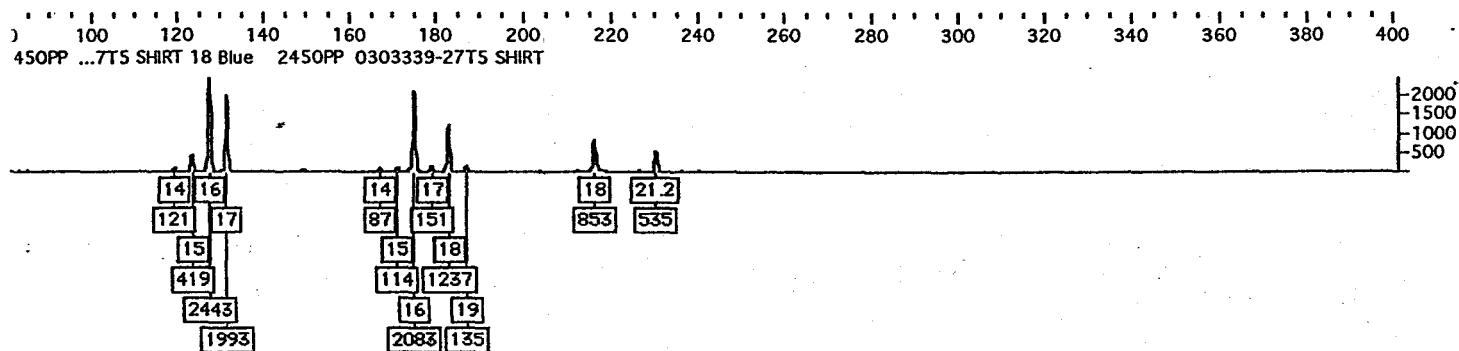


2450PP ...7T5 SHIRT 18 Yellow 2450PP 0303339-27T5 SHIRT



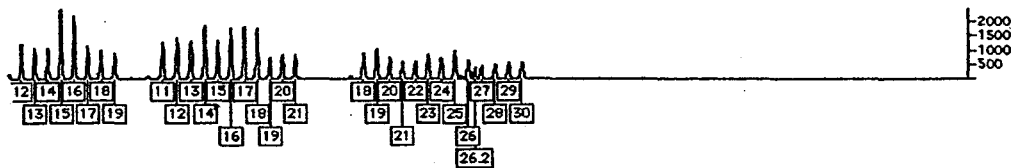
2450PP ...7T5 SHIRT 18 Red 2450PP 0303339-27T5 SHIRT



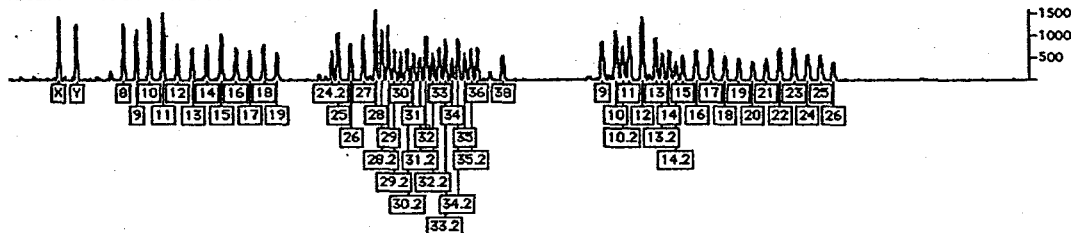




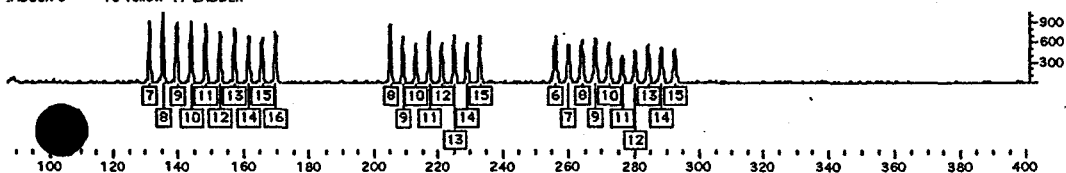
ADDER-3 16 Blue PP LADDER



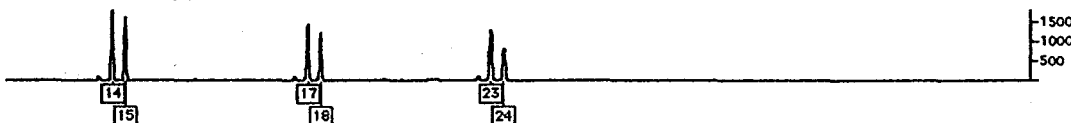
ADDER-3 16 Green PP LADDER



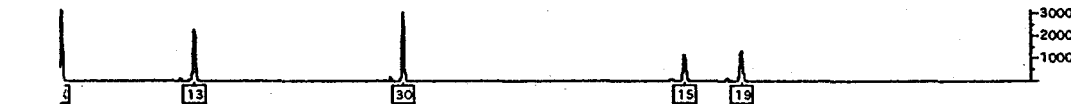
ADDER-3 16 Yellow PP LADDER



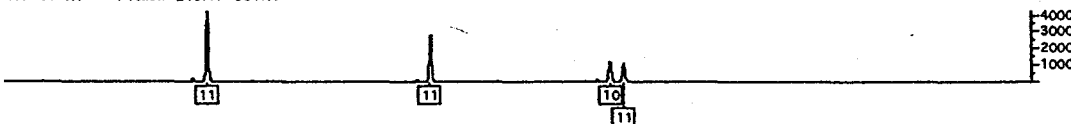
7PP 9947A 4 Blue 2467PP 9947A



17PP 9947A 4 Green 2467PP 9947A



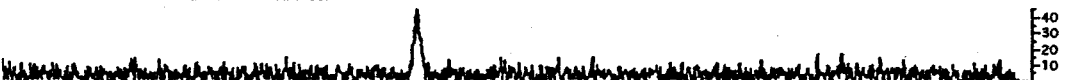
17PP 9947A 4 Yellow 2467PP 9947A



37PP 4 Red 2467PP 9947A



58PP ... AMP CONT 5 Blue 2468PP NEG AMP CONT



58PP ... AMP CONT 5 Green 2468PP NEG AMP CONT



68PP ... AMP CONT 5 Yellow 2468PP NEG AMP CONT



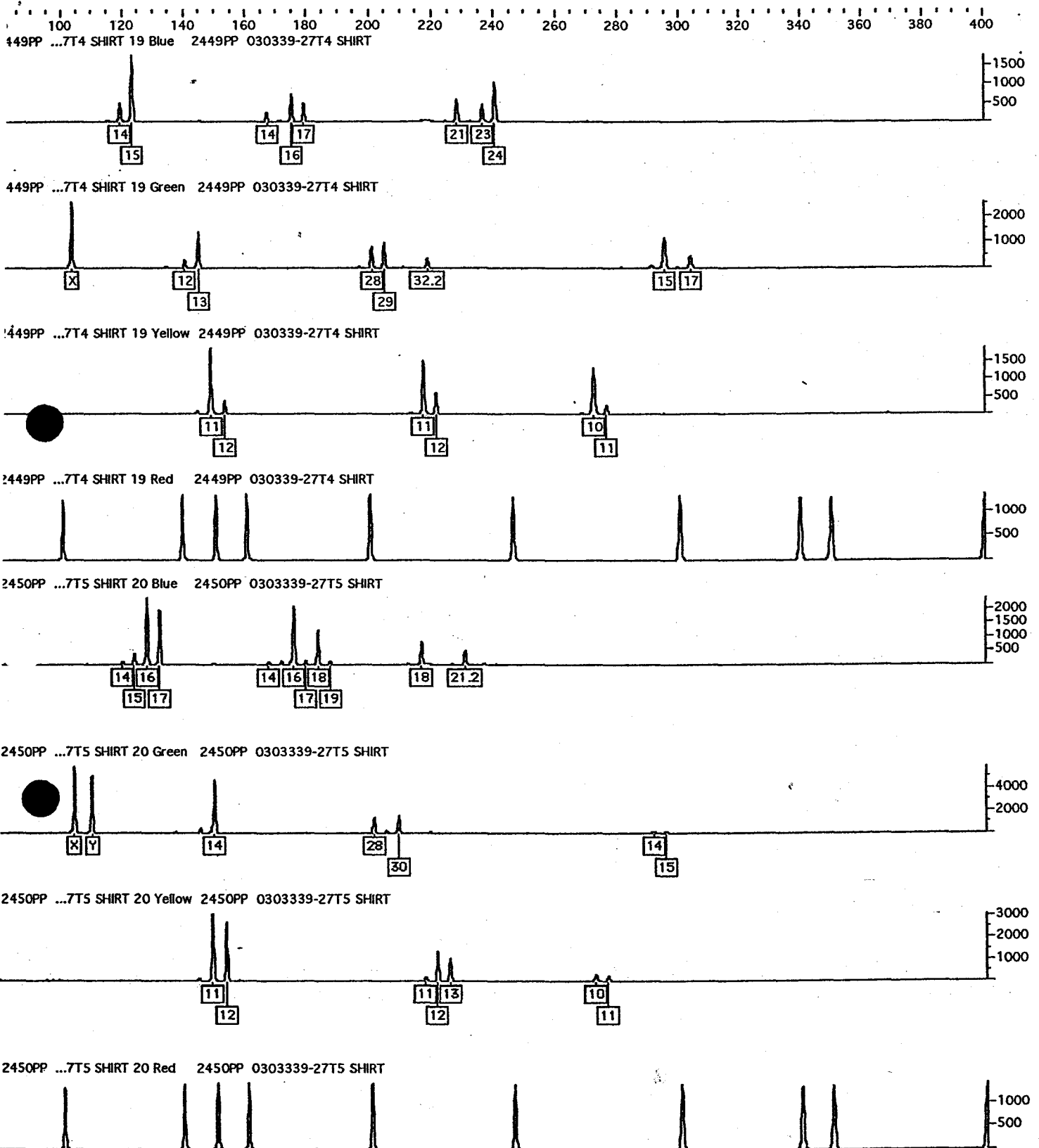
68PP ... AMP CONT 5 Red 2468PP NEG AMP CONT

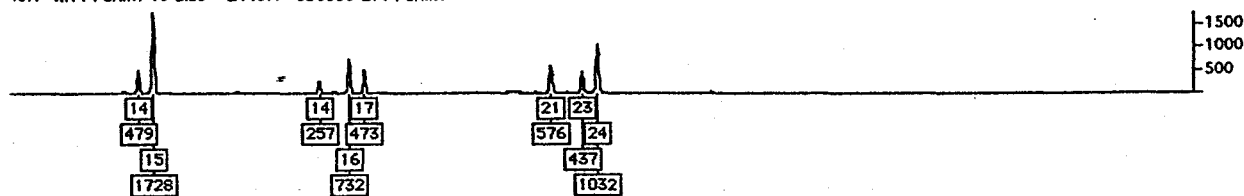


LADDER-3 16 Red PP LADDER

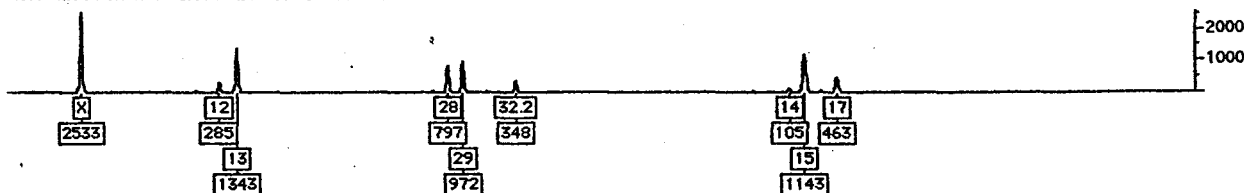


	Tube & Sample Name	Module	Inj. Secs	Inj. kV	Run kV	Run °C	Run Time	Matrix file	Auto Anlz
	H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
	A1 - 2469PP 0303340-19.1 T1 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
3	A3 - 2436PP 0303339-19.1 SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
4	A5 - 2437PP 0303339-19.2 T2 SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
5	A7 - 2438PP 0303339-19.2 T SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
6	A9 - 2439PP 0303339-22.7 DRAWER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
7	A11 - 2440PP 0303339-22.8 GARAGE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
8	B2 - 2441PP 0303339-24.1 DISHWASHER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
9	B4 - 2442PP 0303339-25.8 STEER WHEEL	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
10	B6 - 2443PP 0303339-25.19 SEAT BELT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
11	H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
12	F10 - 2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
13	F12 - 2468PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
14	B8 - 2444PP 0303339-32 KNIFE BLADE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
15	B10 - 2445PP 0303339-33 17A TILE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
16	B12 - 2446PP 0303339-27T1 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
17	C1 - 2447PP 0303339-27T2 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
18	C3 - 2448PP 0303339-27T3 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
19	C5 - 2449PP 0303339-27T4 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
20	C7 - 2450PP 0303339-27T5 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
21	C9 - 2451PP 0303339-30T1 JEAN POCKET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
22	C11 - 2452PP 0303339-30T2 JEAN POCKET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
23	H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
24	D2 - 2453PP 0303339-30T3 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
25	D4 - 2454PP 0303339-30T4 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
26	D6 - 2455PP 0303339-30T6 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
	F10 - 2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
27	D8 - 2456PP -3-3339-20 PAT SYREN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
29	D10 - 2457PP 0303339-21 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
30	D12 - 2430PP ORG Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
31	E1 - 2431PP CLX EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
32	E3 - 2432PP K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
33	E5 - 2459PP 0305330-1.1 EC VAG	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
34	H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
35	E7 - 2460PP 0305330-1.1 SP VAG	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
36	E9 - 2461PP 0305330-1.4 A FREEMAN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
37	E11 - 2462PP 0305330-8 J SIMS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
38	F2 - 2463PP 0305136-7 EC SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
39	F4 - 2464PP 0305136-7 SP SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
40	F6 - 2465PP 0305136-8.9 E BAXLEY	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
41	F8 - 2466PP 0305136-9 A TIGNOR	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
42	F10 - 2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
43	F12 - 2468PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
44	H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
45	H4 - 2479PP EC1 EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
46	H8 - 2481PP SP EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
47									

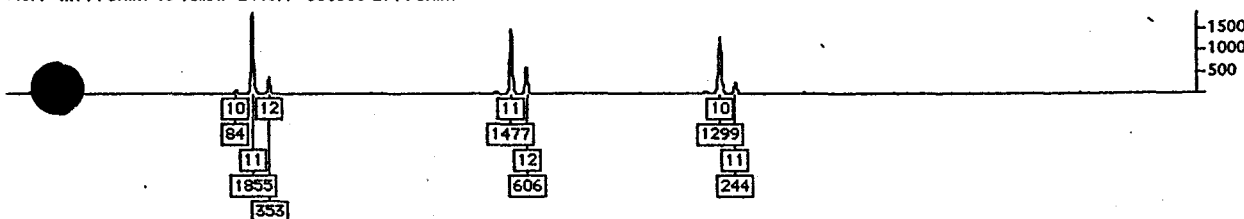


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49PP ...7T4 SHIRT 19 Blue 2449PP 0303339-27T4 SHIRT

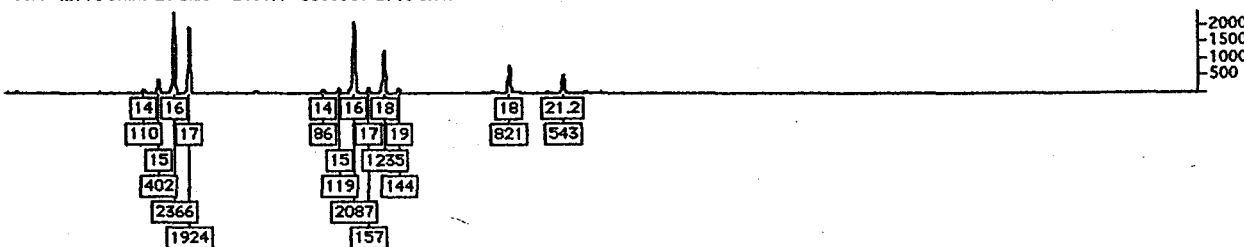
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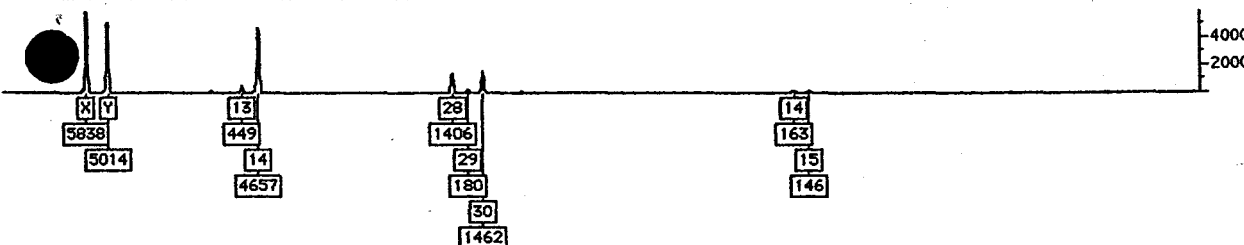
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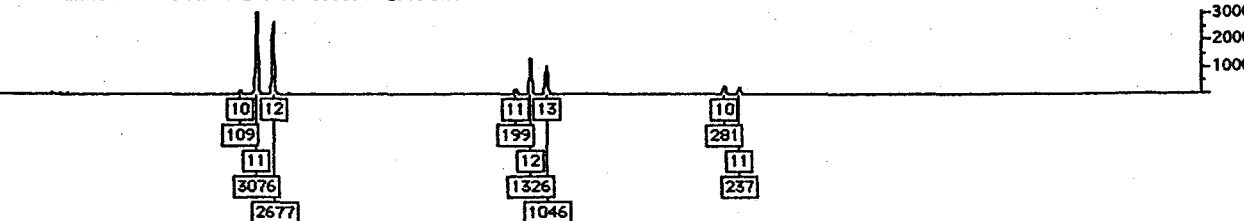
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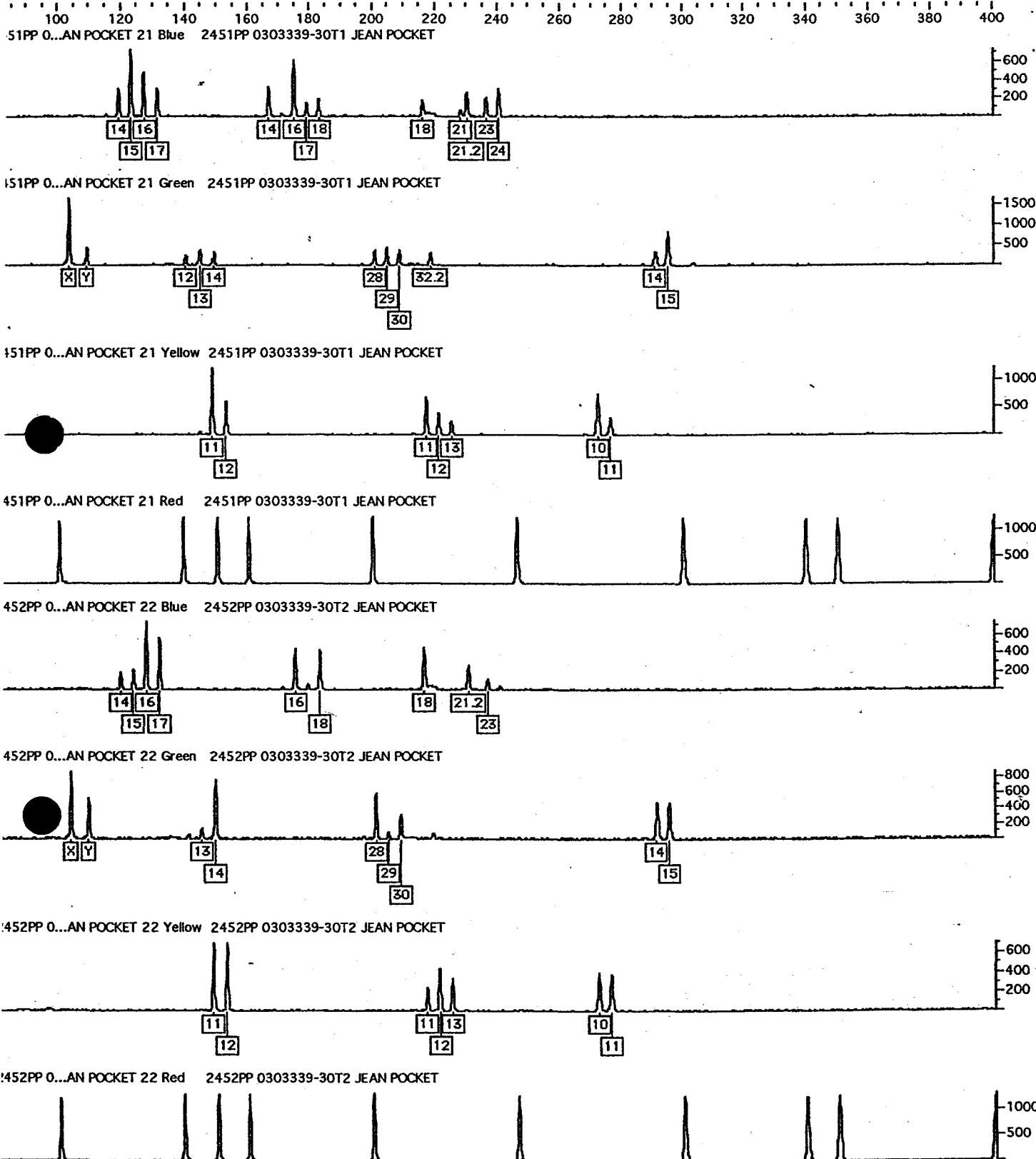


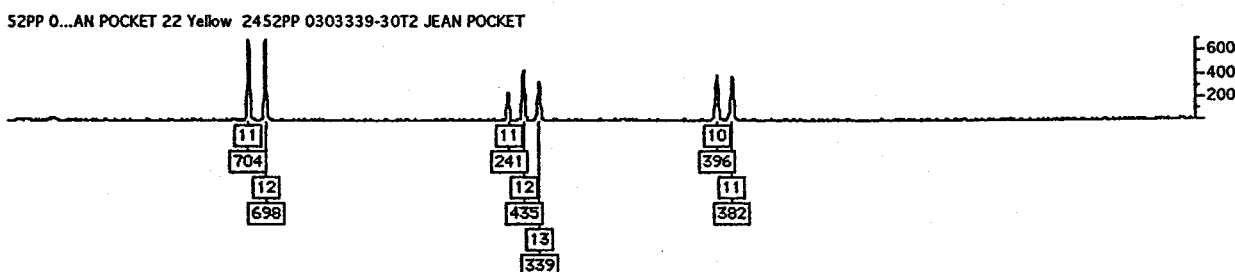
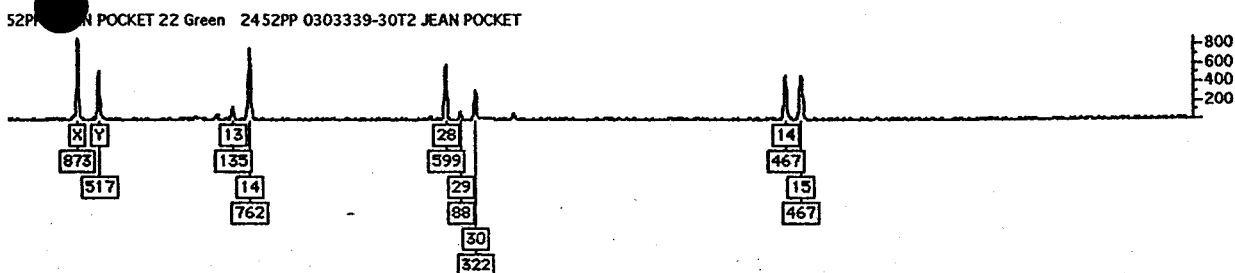
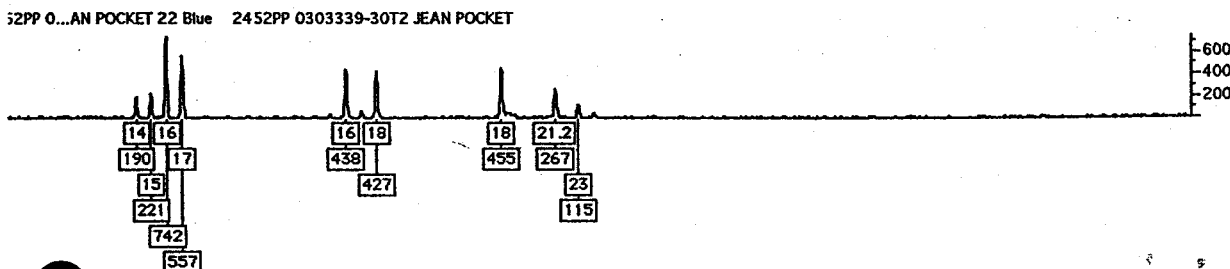
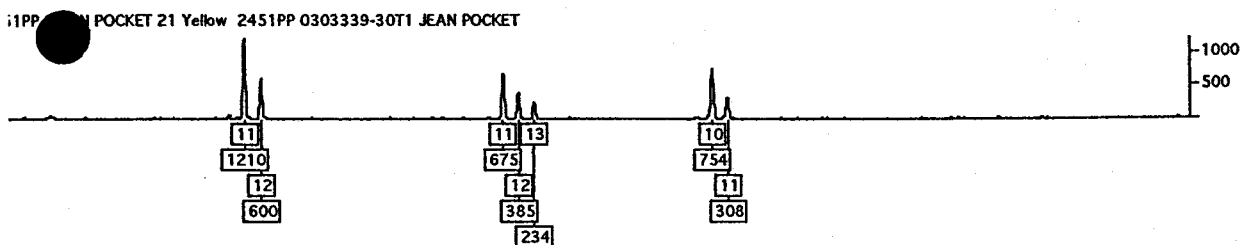
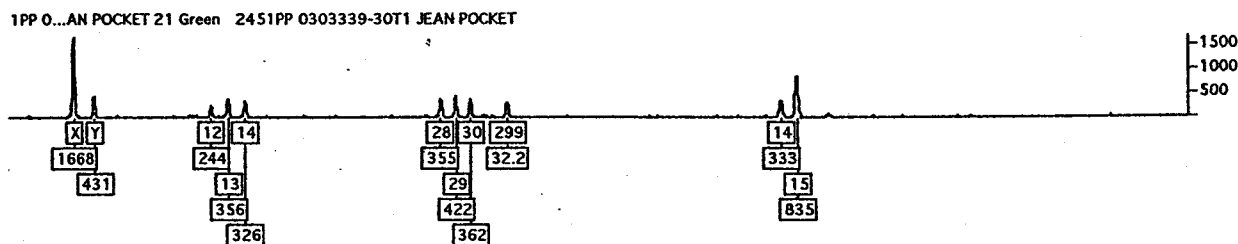
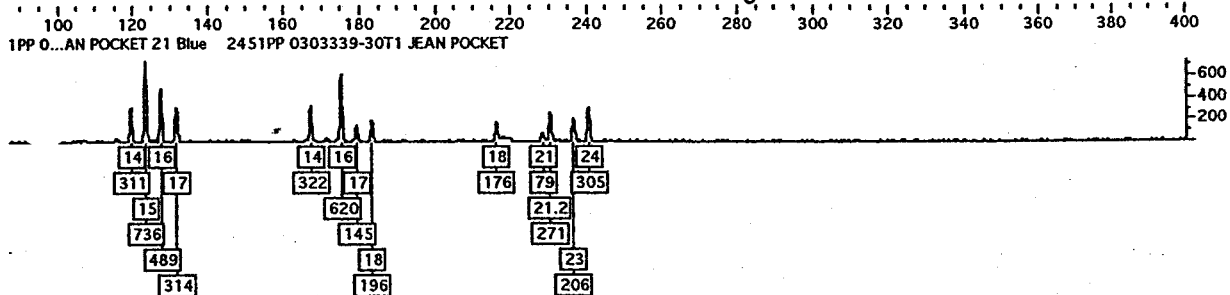
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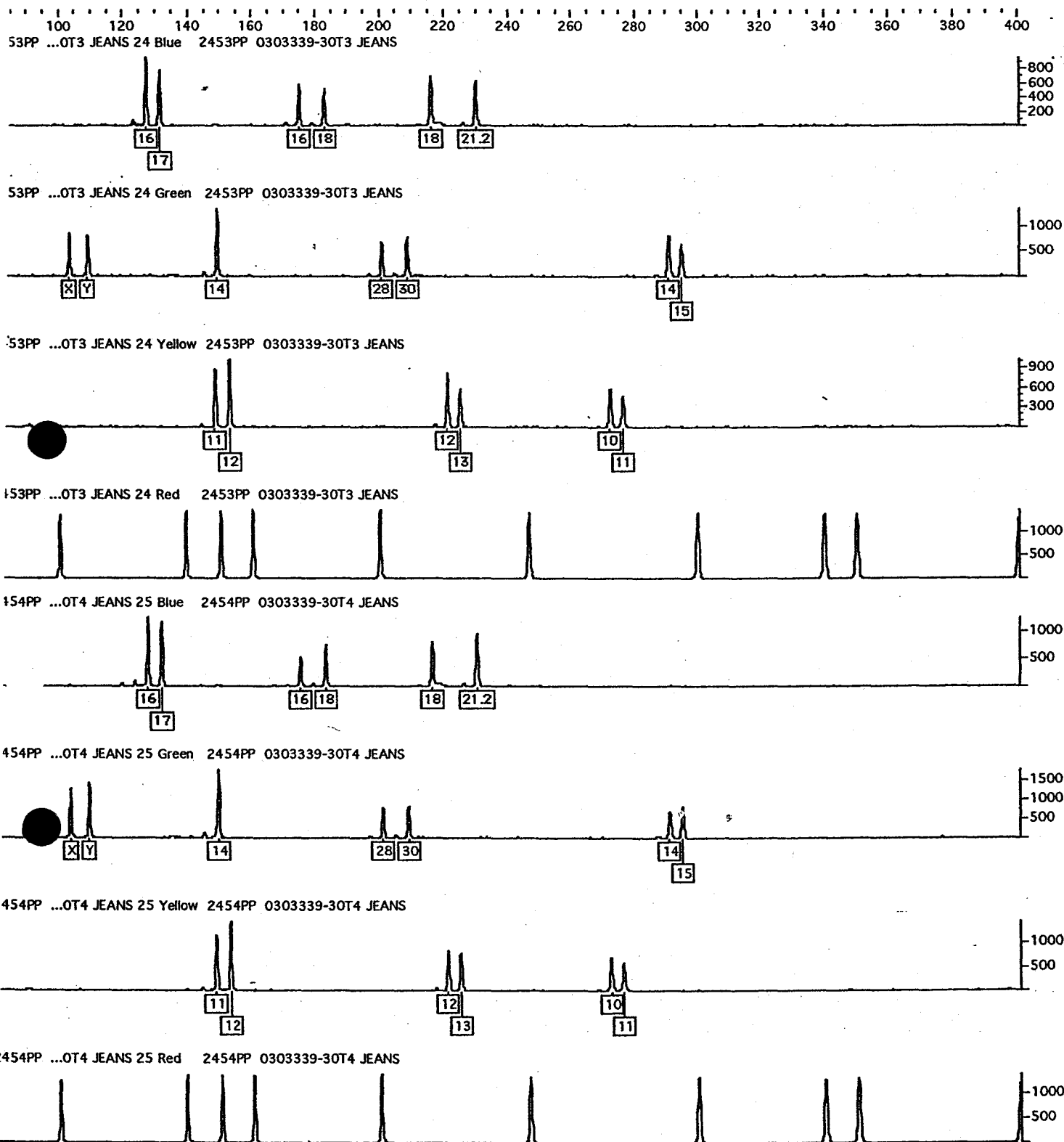


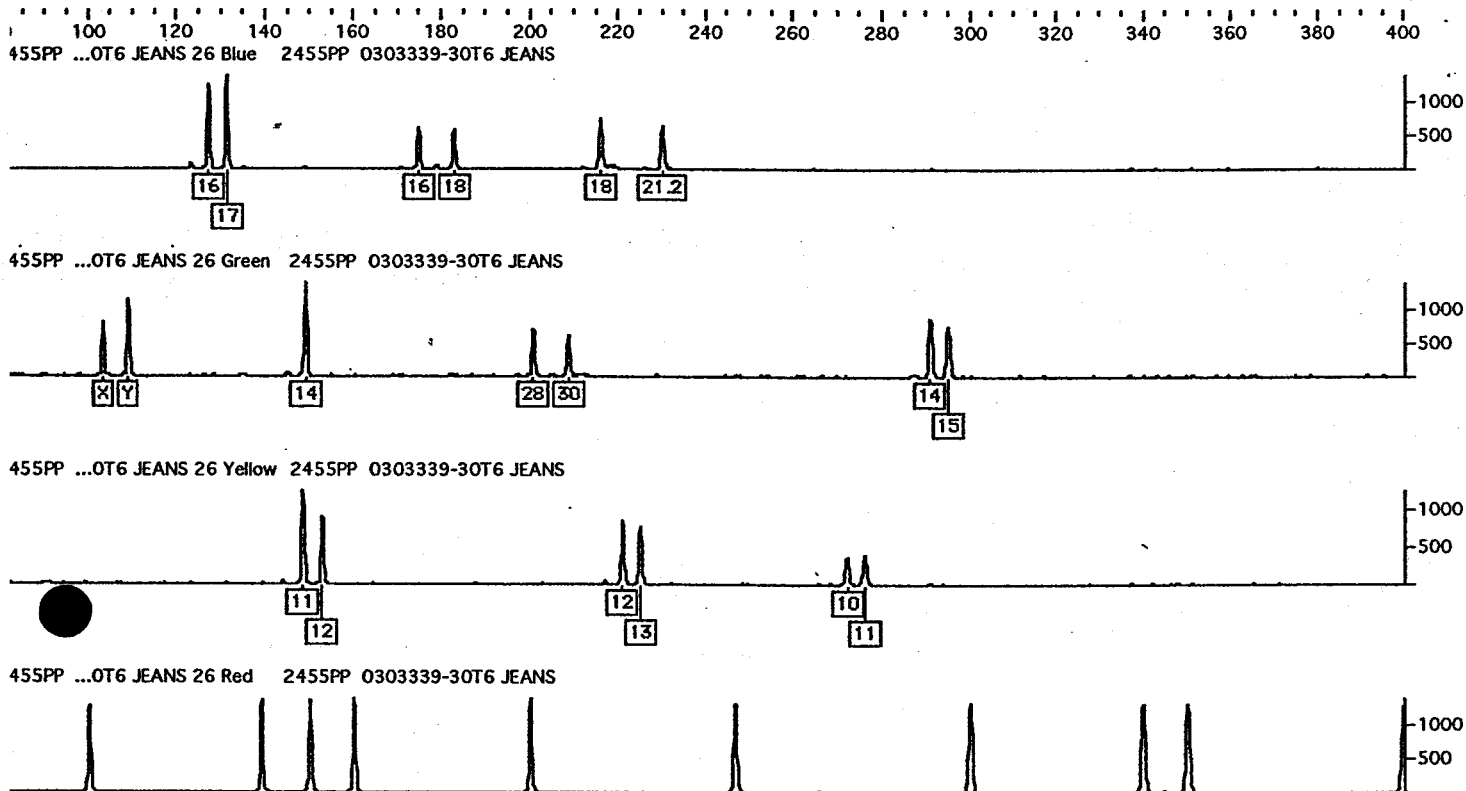
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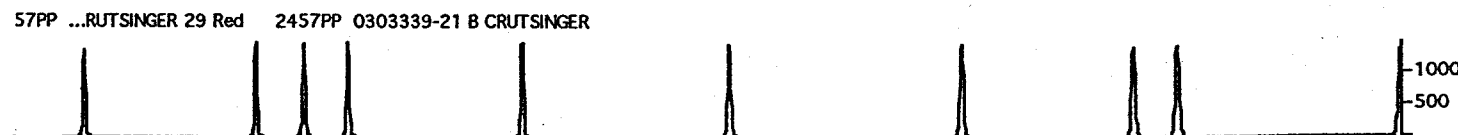
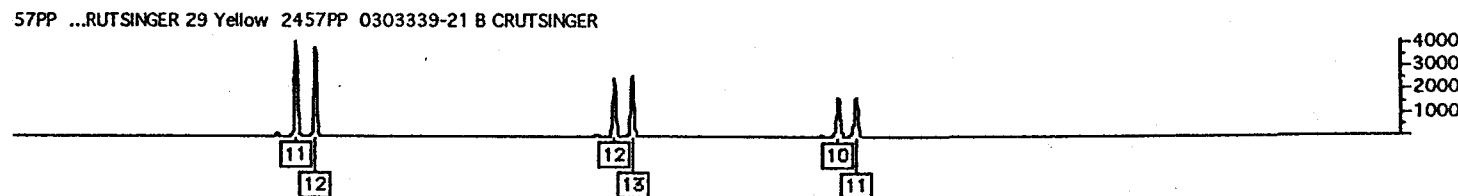
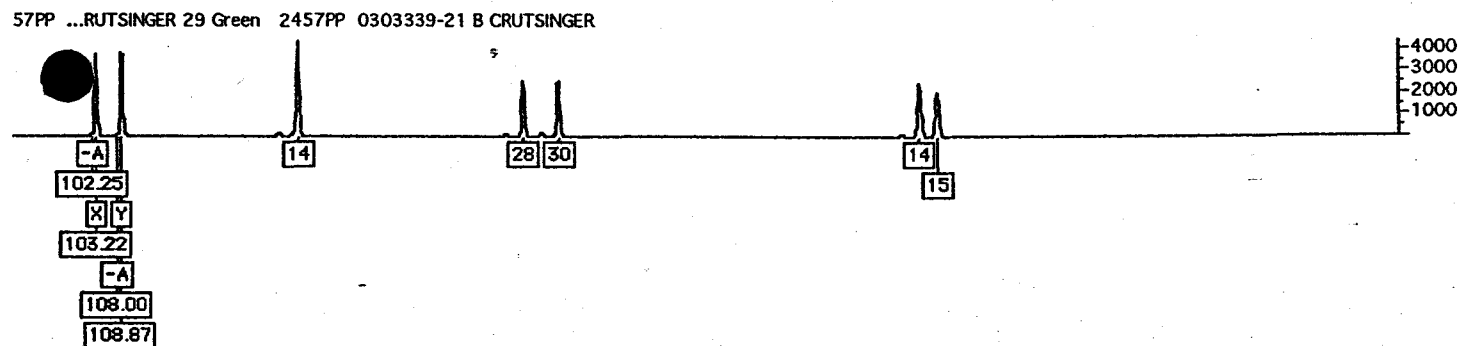
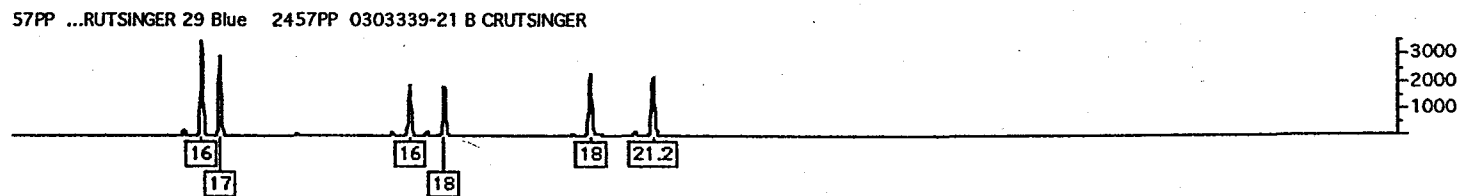
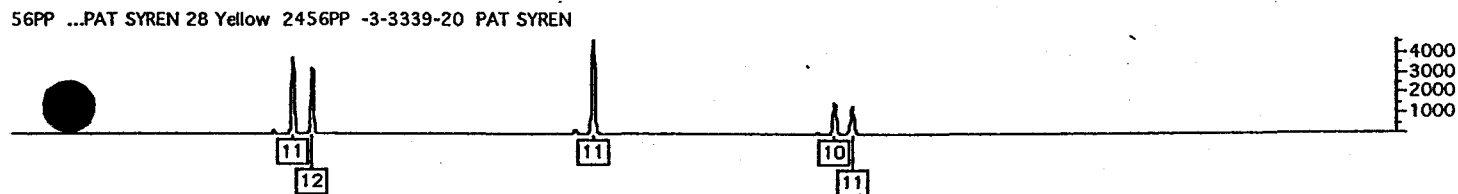
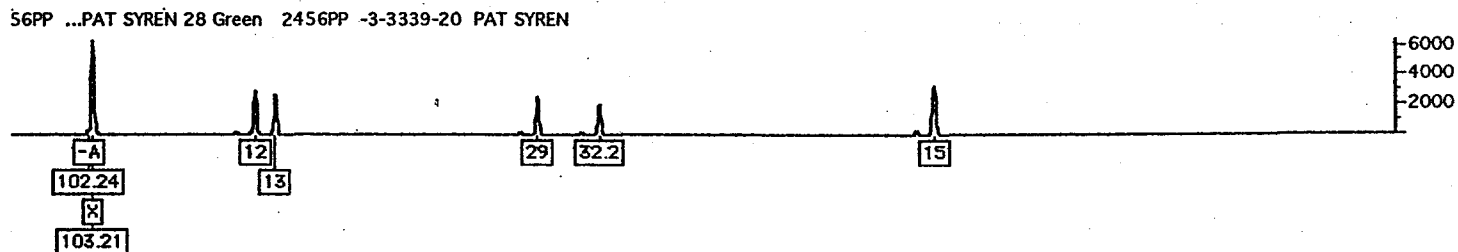
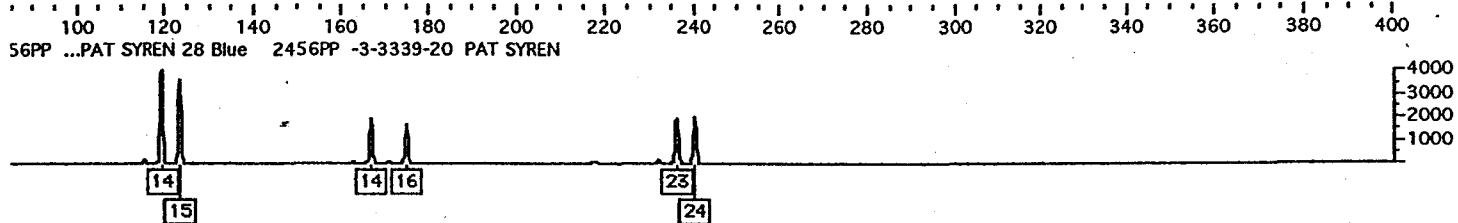












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130PP ... EXT CONT 30 Blue 2430PP ORG Q EXT CONT

No Size Data

130PP ... EXT CONT 30 Green 2430PP ORG Q EXT CONT

No Size Data

130PP ... EXT CONT 30 Yellow 2430PP ORG Q EXT CONT

No Size Data

130PP ... EXT CONT 30 Red 2430PP ORG Q EXT CONT



131PP ... EXT CONT 31 Blue 2431PP CLX EXT CONT

No Size Data

131PP ... EXT CONT 31 Green 2431PP CLX EXT CONT

No Size Data

... EXT CONT 31 Yellow 2431PP CLX EXT CONT

No Size Data

131PP ... EXT CONT 31 Red 2431PP CLX EXT CONT



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132PP K EXT CONT 32 Green 2432PP K EXT CONT

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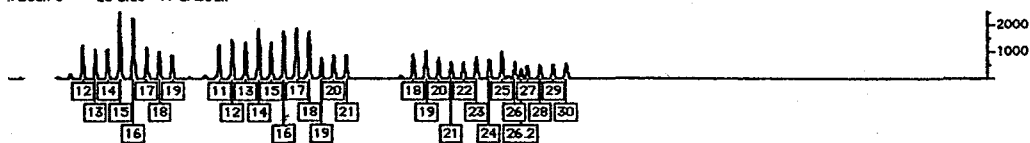
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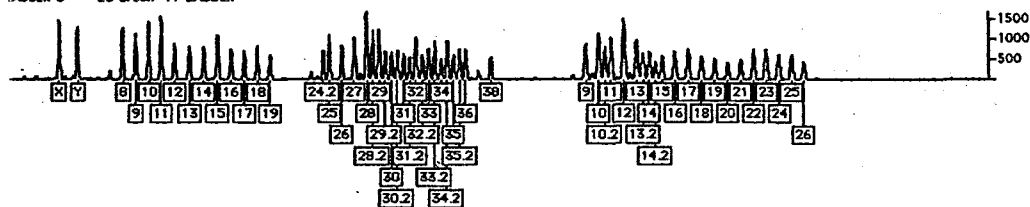
132PP K EXT CONT 32 Red 2432PP K EXT CONT



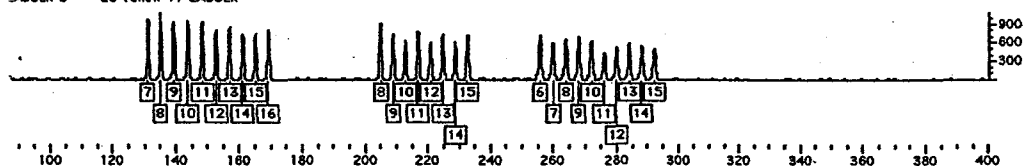
ADDER-3 23 Blue PP LADDER



ADDER-3 23 Green PP LADDER



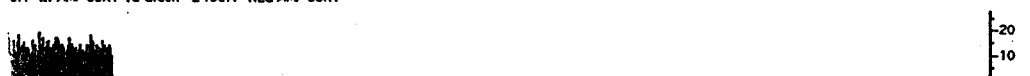
ADDER-3 23 Yellow PP LADDER



8PP CONT 13 Blue 2468PP NEG AMP CONT



8PP ... AMP CONT 13 Green 2468PP NEG AMP CONT



8PP ... AMP CONT 13 Yellow 2468PP NEG AMP CONT



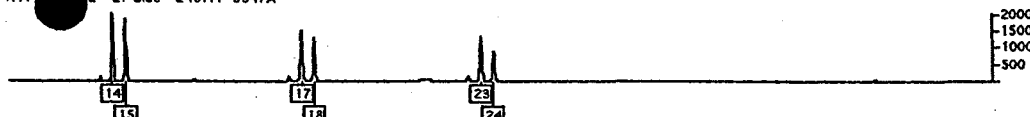
MP CONT 13 Red 2468PP NEG AMP CONT



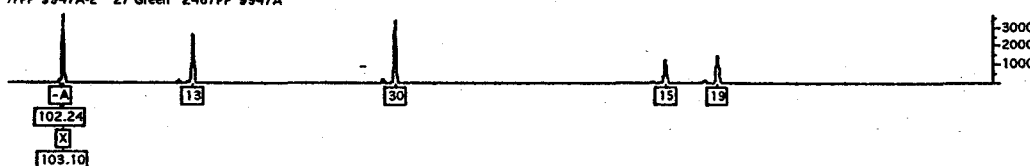
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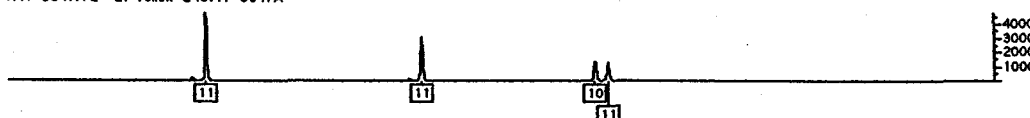
17PP 2 27 Blue 2467PP 9947A



17PP 9947A-2 27 Green 2467PP 9947A



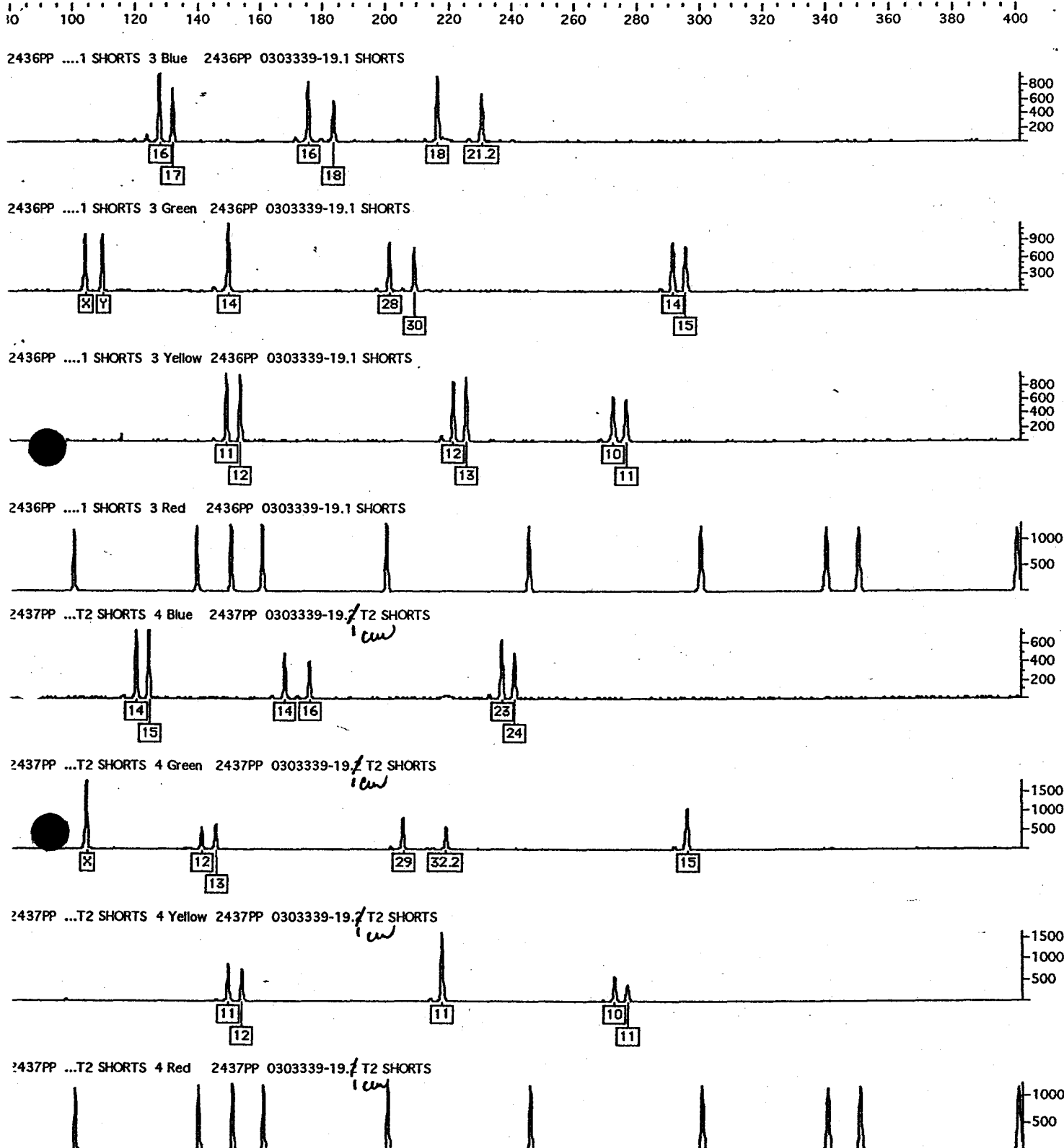
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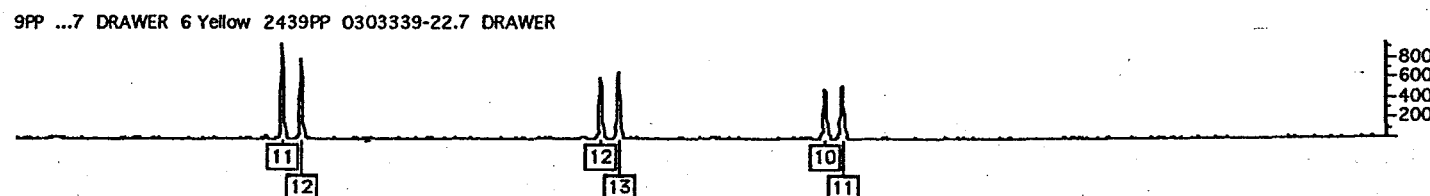
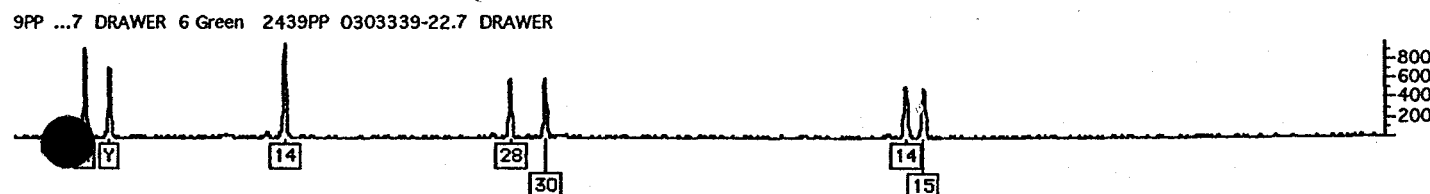
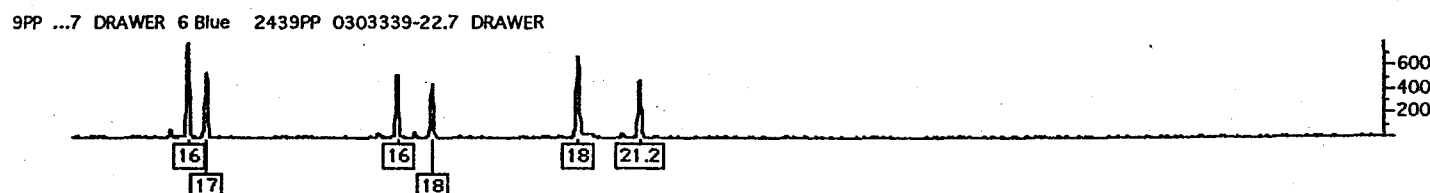
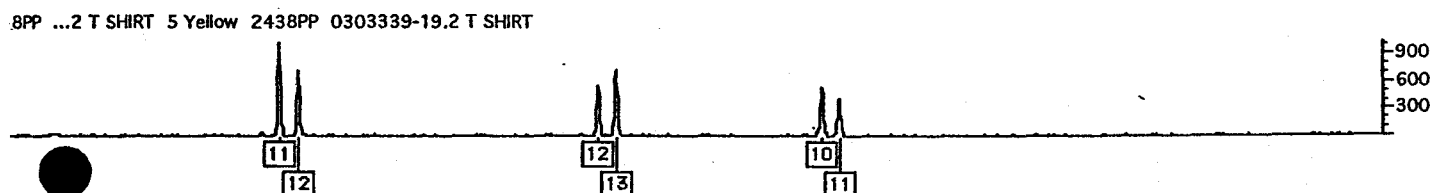
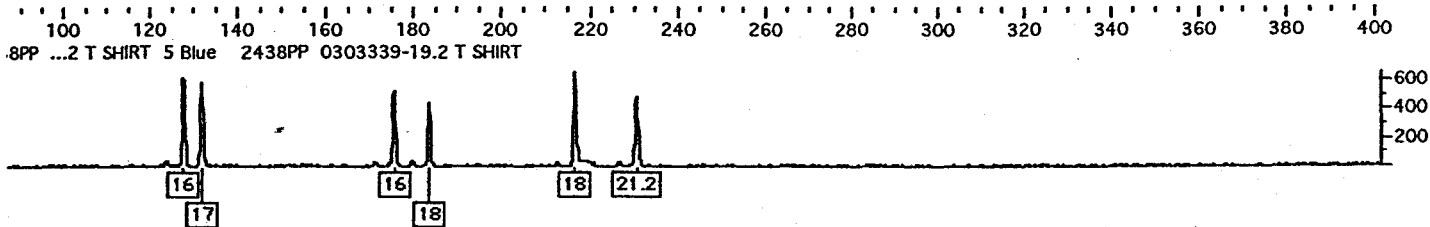


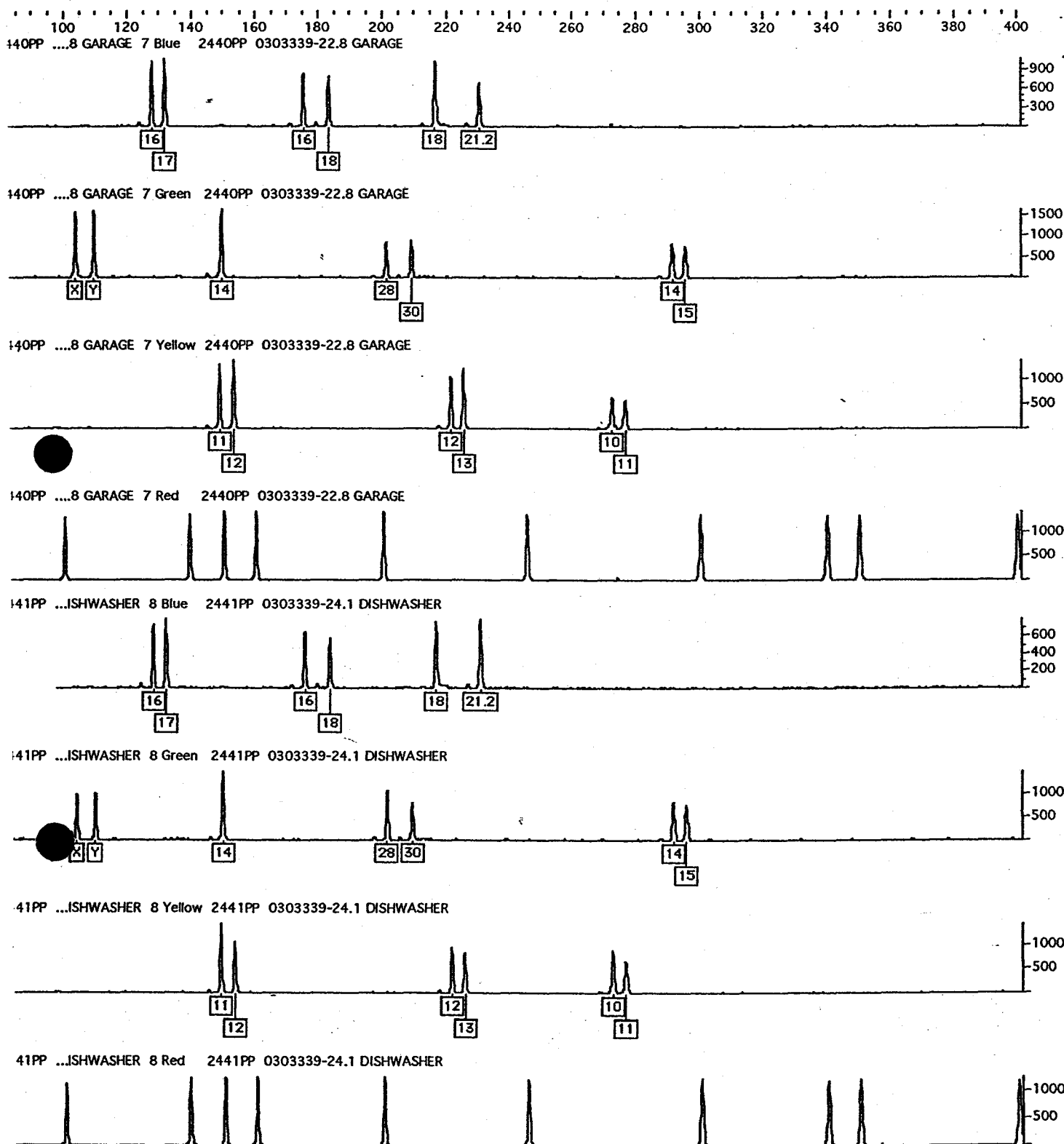
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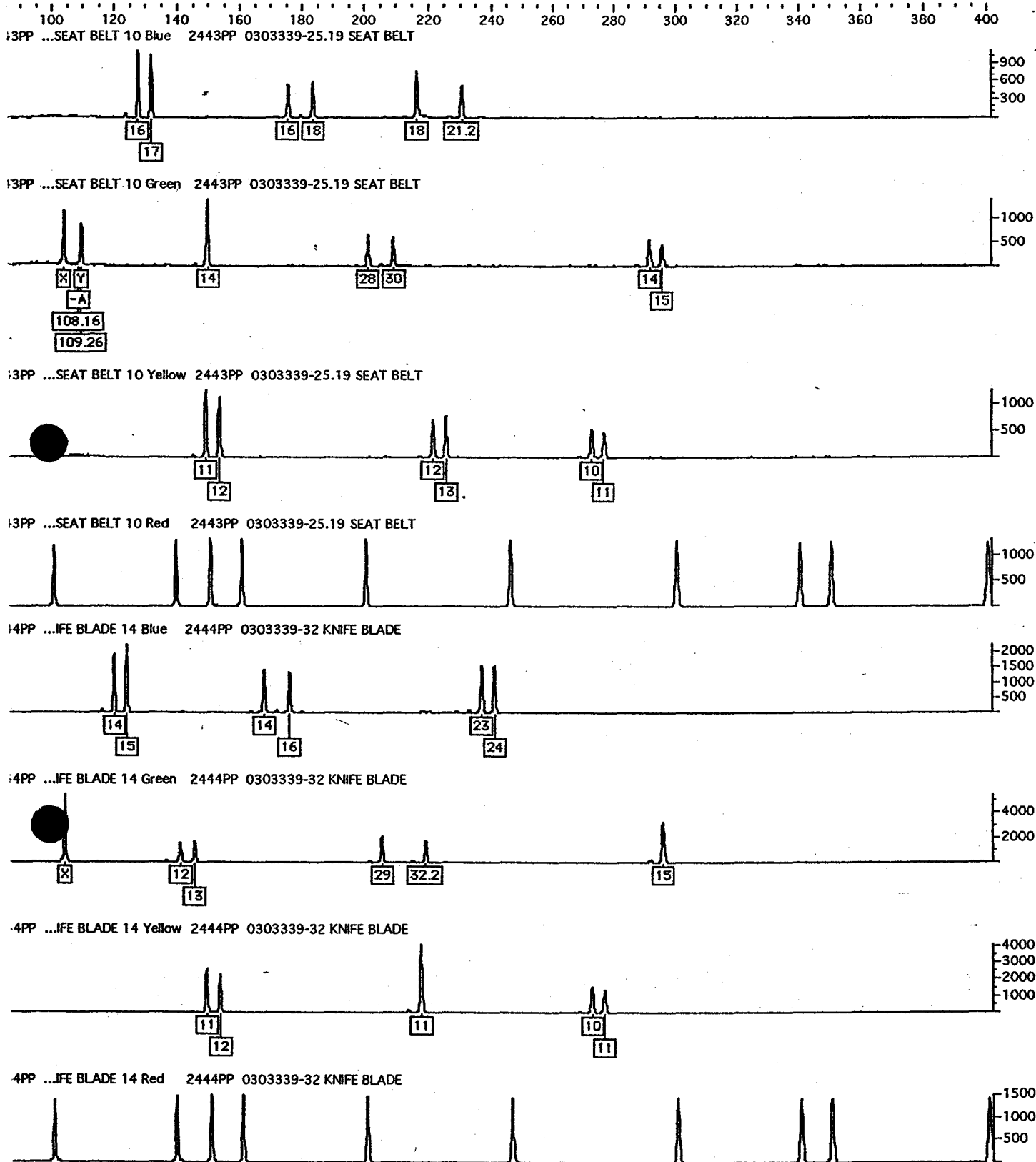


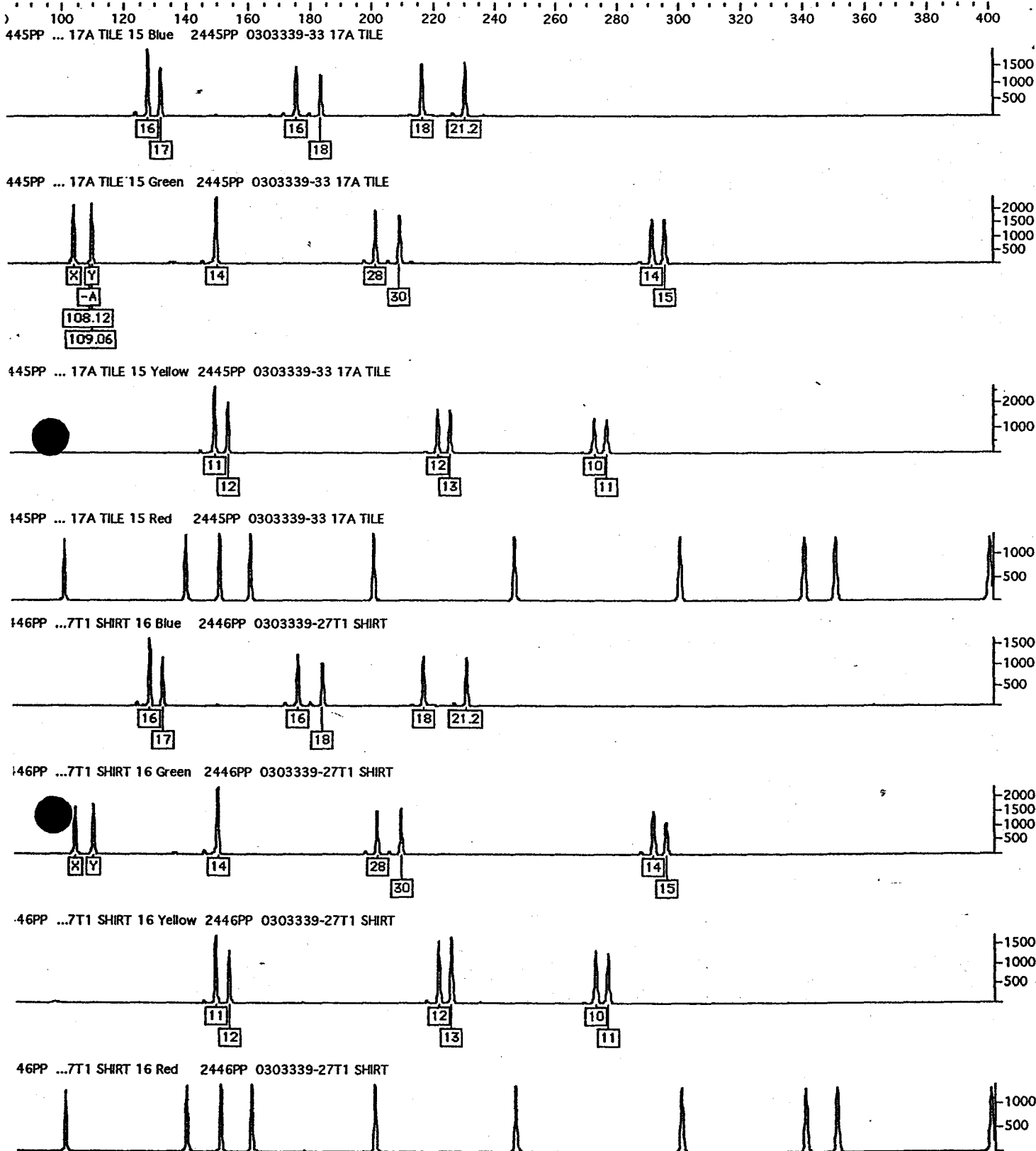
Tube & Sample Name	Module	Inj. Secs	Inj. kV	Run kV	Run °C	Run Time	Matrix file	Auto Anlz
- PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
2469PP 0303340-19.1 T1 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A3 - 2436PP 0303339-19.1 SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A5 - 2437PP 0303339-19.2 T2 SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A7 - 2438PP 0303339-19.2 T SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A9 - 2439PP 0303339-22.7 DRAWER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A11 - 2440PP 0303339-22.8 GARAGE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B2 - 2441PP 0303339-24.1 DISHWASHER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B4 - 2442PP 0303339-25.8 STEER WHEEL - <i>Reinj failed</i>	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B6 - 2443PP 0303339-25.19 SEAT BELT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F10 - 2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F12 - 2468PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B8 - 2444PP 0303339-32 KNIFE BLADE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B10 - 2445PP 0303339-33 17A TILE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B12 - 2446PP 0303339-27T1 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C1 - 2447PP 0303339-27T2 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C3 - 2448PP 0303339-27T3 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C5 - 2449PP 0303339-27T4 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C7 - 2450PP 0303339-27T5 SHIRT - <i>Reinj -</i>	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C9 - 2451PP 0303339-30T1 JEAN POCKET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C11 - 2452PP 0303339-30T2 JEAN POCKET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D2 - 2453PP 0303339-30T3 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D4 - 2454PP 0303339-30T4 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D6 - 2455PP 0303339-30T6 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
- 2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
2456PP -3-3339-20 PAT SYREN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D10 - 2457PP 0303339-21 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D12 - 2430PP ORG Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E1 - 2431PP CLX EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E3 - 2432PP K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E5 - 2459PP 0305330-1.1 EC VAG	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E7 - 2460PP 0305330-1.1 SP VAG	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E9 - 2461PP 0305330-1.4 A FREEMAN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E11 - 2462PP 0305330-8 J SIMS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F2 - 2463PP 0305136-7 EC SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F4 - 2464PP 0305136-7 SP SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F6 - 2465PP 0305136-8.9 E BAXLEY	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F8 - 2466PP 0305136-9 A TIGNOR	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F10 - 2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F12 - 2468PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H4 - 2479PP EC1 EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H8 - 2481PP SP EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off

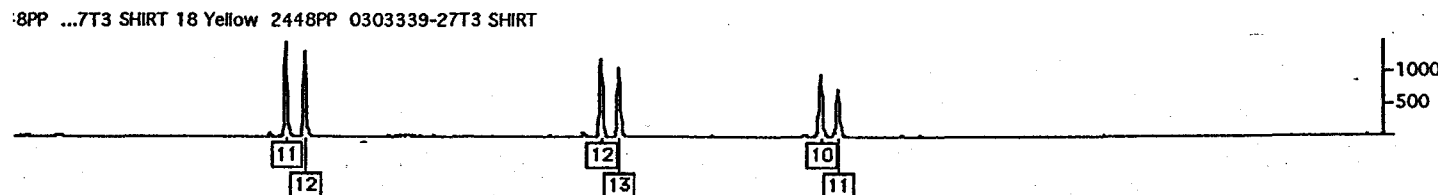
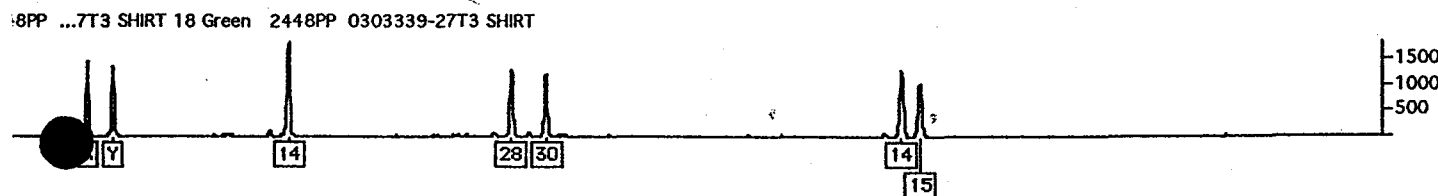
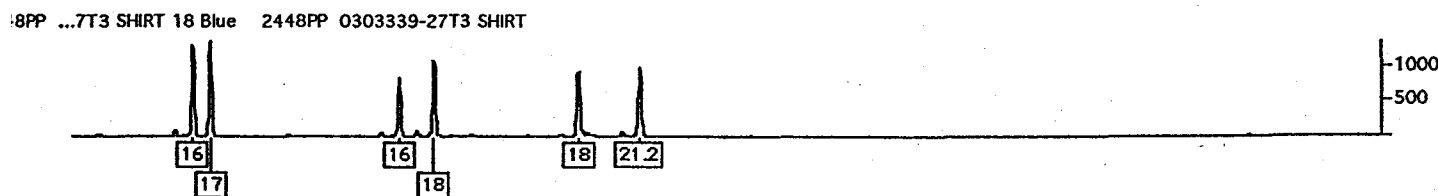
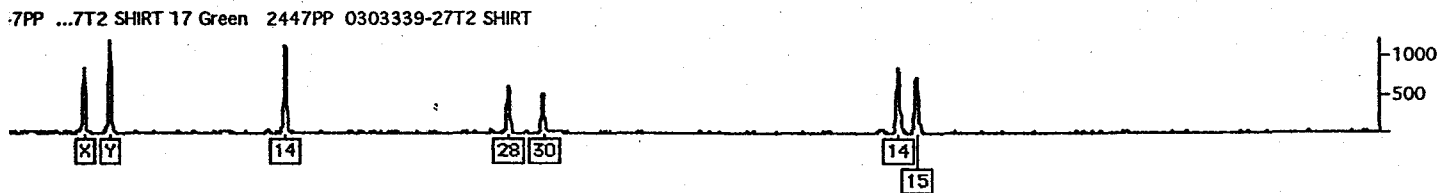
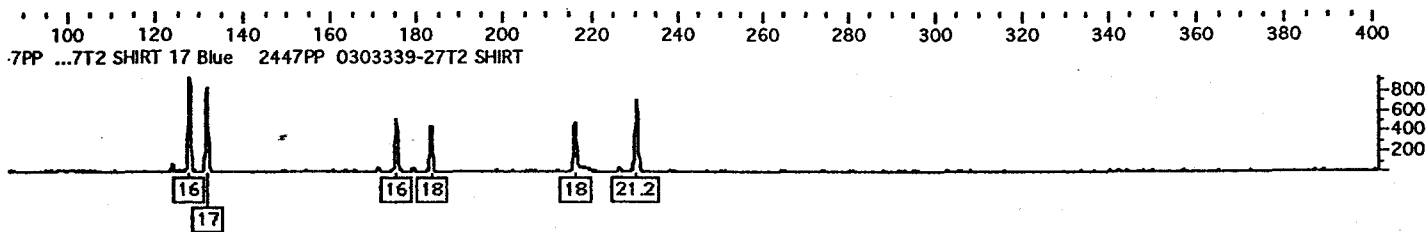


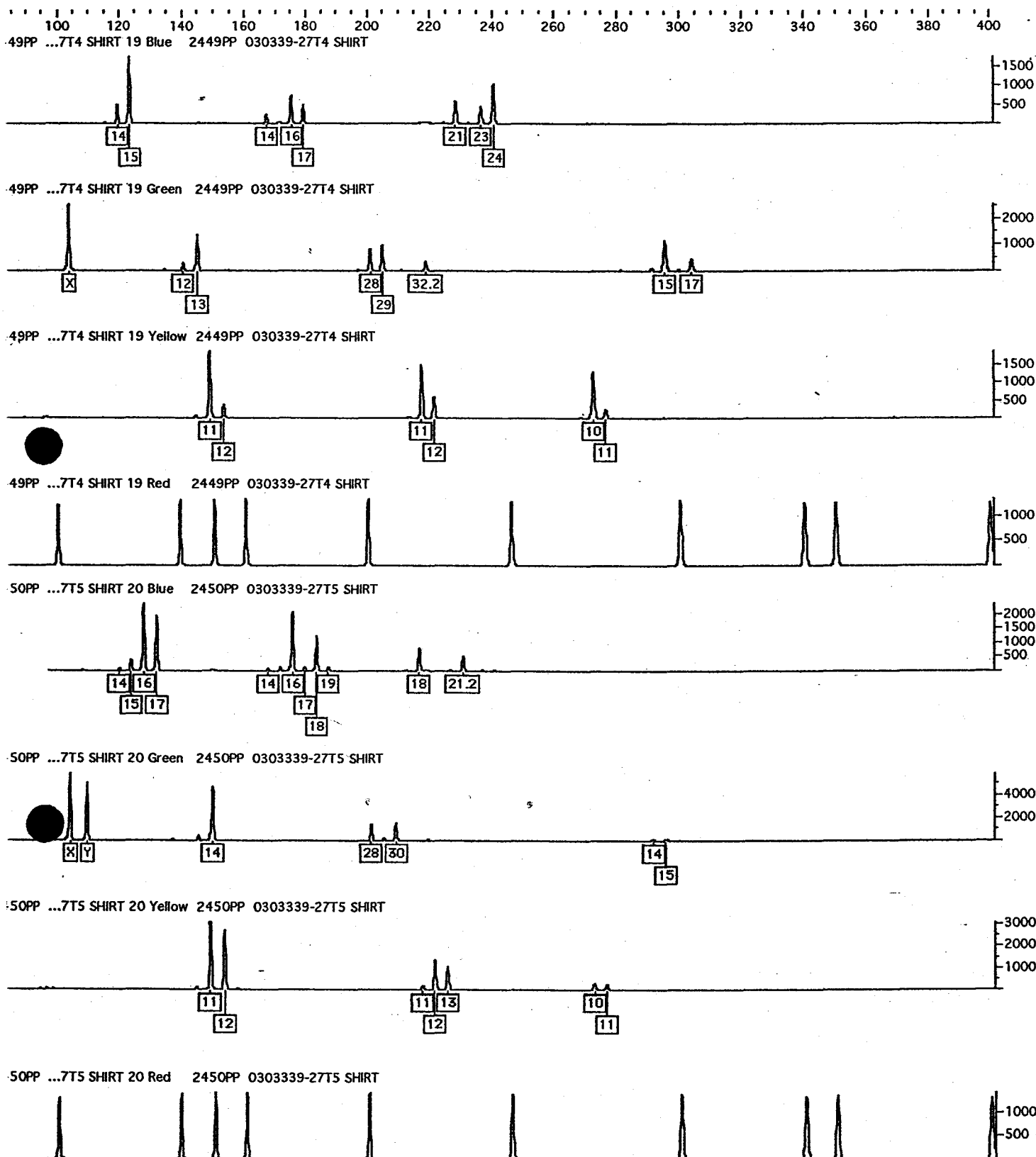






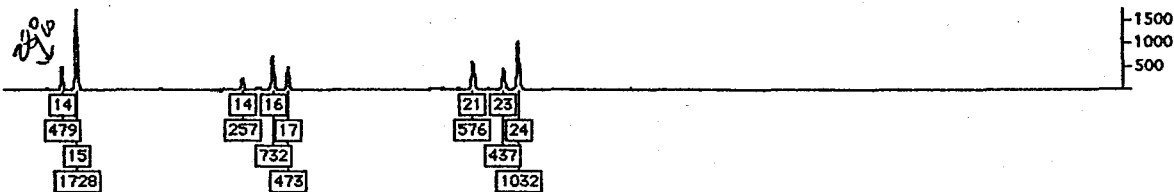




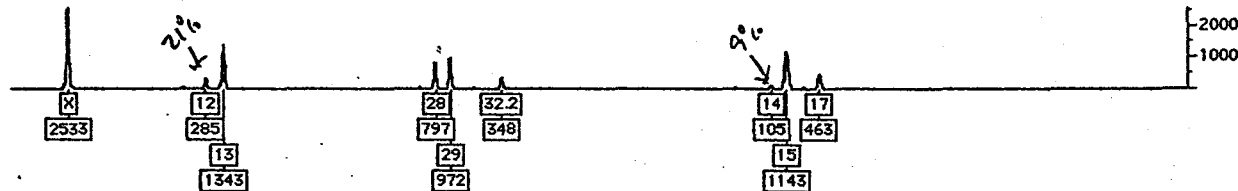


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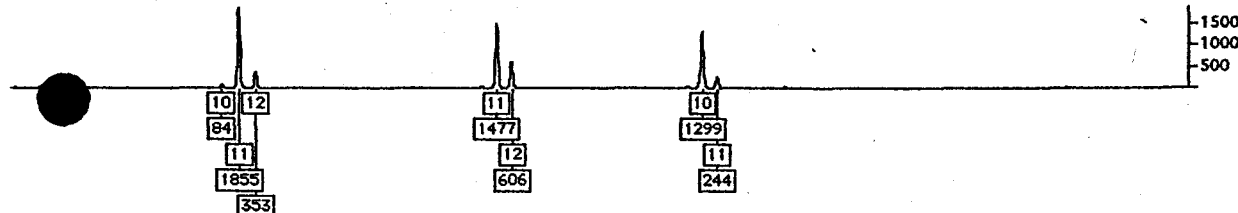
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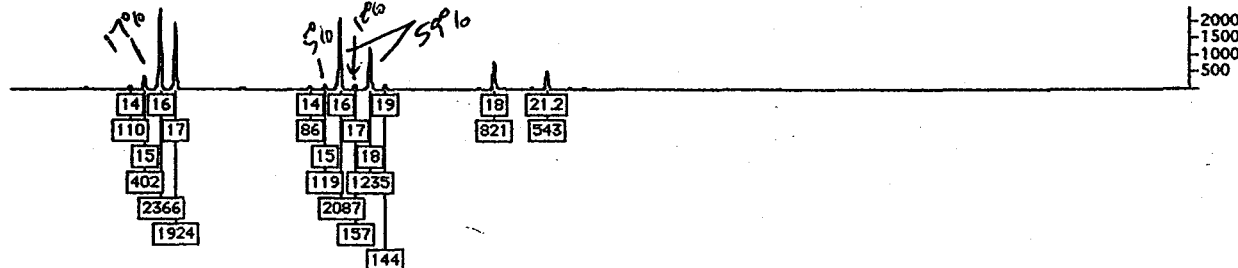
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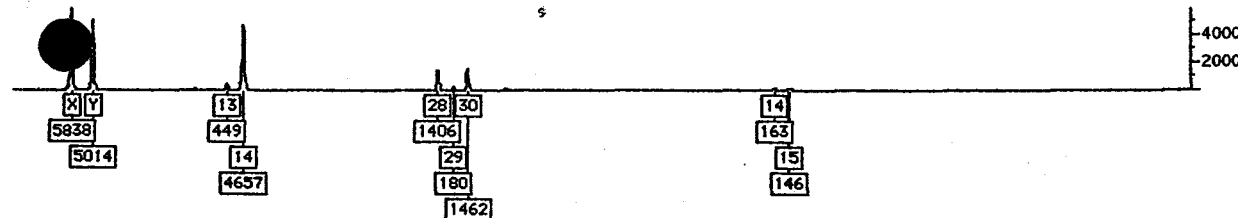
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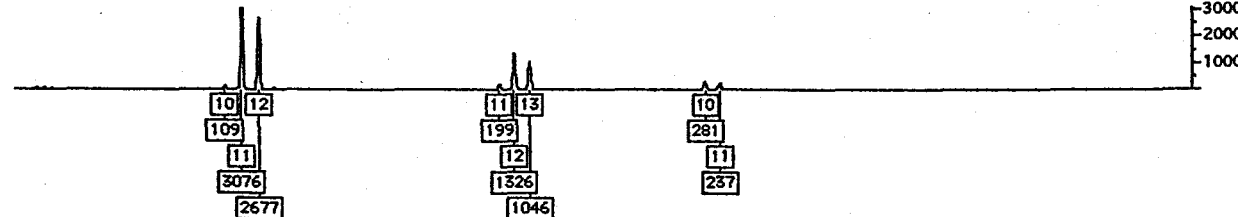
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0PP ...7T5 SHIRT 20 Green 2450PP 030339-27T5 SHIRT



0PP ...7T5 SHIRT 20 Yellow 2450PP 030339-27T5 SHIRT





100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400
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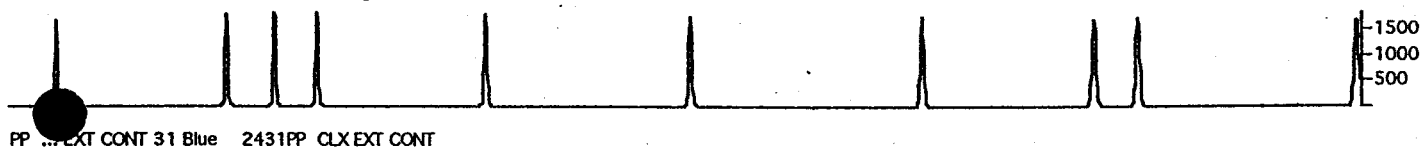
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PP ... EXT CONT 30 Yellow 2430PP ORG Q EXT CONT

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PP ... EXT CONT 30 Red 2430PP ORG Q EXT CONT



PP ... EXT CONT 31 Blue 2431PP CLX EXT CONT

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PP ... EXT CONT 31 Green 2431PP CLX EXT CONT

No Size Data

EXT CONT 31 Yellow 2431PP CLX EXT CONT

No Size Data

PP ... EXT CONT 31 Red 2431PP CLX EXT CONT



PP K EXT CONT 32 Blue 2432PP K EXT CONT

No Size Data

PP K EXT CONT 32 Green 2432PP K EXT CONT

No Size Data

PP K EXT CONT 32 Yellow 2432PP K EXT CONT

No Size Data

PP K EXT CONT 32 Red 2432PP K EXT CONT



STR TYPING RESULTS

Crime Lab #s:

0303339

Analyst:

CW

Date:

18 July 03

Profiler Plus Alleles Detected:

Sample Information	D3S1358	vWA	FGA	Amel	D8S1179	D21S11	D18S51	D5S818	D13S317	D7S820	Comments
2448 27T3 shirt	16,17	16,18	18,21.2	Xy	14	28,30	14,15	11,12	12,13	10,11	
2449 27T4 shirt	15	14,16,17	21,23,24	X	13	28,29	15,17	11	11	10	
	(14)				(12)	(32.2)		(12)	(12)	(11)	
2450 27T5 shirt	16,17	16,18	18,21.2	Xy	14	28,30	14,15	11,12	12,13	10,11	
@ collar inside	(14,15)	(14,17) ^{**}			(11) ^{**}	(32.2) ^{**}			(11)		*** possible stutter
2451 30T1 jean pocket	14,15,16,17	14,16,17	18,21,21.2,23	X	12,13,14	28,29,30	^{**} 14,15	11,12	11,12,13	10,11	- Mixture - ** stochastic range
2451R		18	24	(4)		32.2					
2452 30T2 jean* pocket	16,17	16,18	18,21.2	Xy	14	28,30	14,15	11,12	11,12,13	10,11	- mixture -
	(14,15)		(23)		(13)	(29)					
2453 30T3 jeans	16,17	16,18	18,21.2	Xy	14	28,30	14,15	11,12	12,13	10,11	
2454 30T4 jeans	16,17	16,18	18,21.2	Xy	14	28,30	14,15	11,12	12,13	10,11	
2455 30T6 jeans	16,17	16,18	18,21.2	Xy	14	28,30	14,15	11,12	12,13	10,11	

() minor Non-Vict. allele - ~~not report~~ see 2 additional repeat injections

* see Reamp

** detected on 1 reinjection only

STR TYPING RESULTS

Crime Lab #s:

0303339

Analyst:

CW

Date:

18 July 03

Profiler Plus Alleles Detected:

Sample Information	D3S1358	vWA	FGA	Amel	D8S1179	D21S11	D18S51	D5S818	D13S317	D7S820	Comments
2436 19.1 T ₁ Shorts	16,17	16,18	18,21.2	x4	14	28,30	14,15	11,12	12,13	10,11	
2437 19.1 T ₂ Shorts	14,15	14,16	23,24	x	12,13	29,32.2	15	11,12	11	10,11	
2438 19.2 T-shirt	16,17	16,18	18,21.2	x4	14	28,30	14,15	11,12	12,13	10,11	
2439 22.7 1st. drawer	16,17	16,18	18,21.2	x4	14	28,30	14,15	11,12	12,13	10,11	
2440 22.8 Garage floor	16,17	16,18	18,21.2	x4	14	28,30	14,15	11,12	12,13	10,11	
2441 24.1 dishwasher	16,17	16,18	18,21.2	x4	14	28,30	14,15	11,12	12,13	10,11	
2442 25.8 Steering wheel	16,17	16,18	18,21.2	x4	14	28,30	14,15	11,12	12,13	10,11	
2443 25.19 Seat belt	16,17	16,18	18,21.2	x4	14	28,30	14,15	11,12	12,13	10,11	
2444 32 Knife blade	14,15	14,16	23,24	x	12,13	29,32.2	15	11,12	11	10,11	
2445 33 17A tile	16,17	16,18	18,21.2	x4	14	28,30	14,15	11,12	12,13	10,11	
2446 27T ₁ shirt	16,17	16,18	18,21.2	x4	14	28,30	14,15	11,12	12,13	10,11	
2447 27T ₂ shirt	16,17	16,18	18,21.2	x4	14	28,30	14,15	11,12	12,13	10,11	

STR TYPING RESULTS

Crime Lab #s:

0303340

Analyst:

CUU

Date:

23 July 03

D3 D16

TH01

TP0X

CSF

D7

Offspring: Alluding Defendant:

2456	20	F. Saven	14, 15	11	X	6	8, 11	11, 12	10, 11	
2457	21	B. Crutcher	16, 17	11, 12	X4	6, 9, 3	8	10	10, 11	
2471	16	M. Quirk	15	11, 12	X	6, 8	8, 11	12	10	

COPY

COPY

0303339

свѣдѣн

18 July 03

—

18 July 03

[illegible]

CERTIFICATE OF ANALYSES

OFFICE OF CHIEF MEDICAL EXAMINER
CRIMINALISTICS LABORATORIES
200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104

NIZAM PEERWANI, M.D., DABFP
CHIEF MEDICAL EXAMINER
RONALD L. SINGER, M.S.
CRIME LABORATORY DIRECTOR

FORENSIC BIOLOGY / DNA LABORATORY

NAMES: Patricia Syren
Pearl Magouirk

CRIME LAB #: 0303339
Related Crime Lab #: 0303340

OFFENSE: Homicides

PRIORITY: 1

REQUESTED BY: Detective John McCaskill
Michele Hartmann – T.C.D.A.

Fort Worth P. D. Service #: 03038339

DATES OF REQUEST: June 26, July 8 & 16, August 27, 2003

DATE OF COMPLETION: September 3, 2003
Previous Report: July 23, 2003

DNA ANALYST: Carolyn Van Winkle

EVIDENCE RECEIVED:

Received from the Tarrant County Medical Examiner (T.C.M.E.) Morgue on April 15, 2003:

16 (0303340): Autopsy blood sample (FTA) – Pearl Magouirk
20 (0303339): Autopsy blood sample (FTA) – Patricia Syren

Received from the T.C.M.E. Evidence Custodian on June 26, 2003:

19.1 (0303340): Jeans (autopsy clothing) in a sealed sack
19.3 (0303340): White top (autopsy clothing) in a sealed sack

19.1 (0303339): Blue shorts (autopsy clothing) in a sealed sack
19.2 (0303339): Light gray T-shirt (autopsy clothing) in a sealed sack

Sealed envelope containing #s 22, 23 & 24:

22.1 (0303339): Stained wipe in an envelope labeled "sample #1"
22.2 (0303339): Stained wipe in an envelope labeled "sample #2"
22.3 (0303339): Stained wipe in an envelope labeled "sample #3"
22.4 (0303339): Stained wipe in an envelope labeled "sample #4"
22.5 (0303339): Stained wipe in an envelope labeled "sample #5"
22.6 (0303339): Stained wipe in an envelope labeled "sample #6"
22.7 (0303339): Stained wipe in an envelope labeled "sample #7"
22.8 (0303339): Stained wipe in an envelope labeled "sample #8"
22.9 - 22.16 (0303339): Eight envelopes labeled "control #1", "control #2",
"control #3", "control #4", "control #5", "control #6",
"control #7", "control #8"

23.1 (0303339): Stained wipe in an envelope labeled "sample #11"
23.2 (0303339): Stained wipe in an envelope labeled "sample #12"
23.3 (0303339): Stained wipe in an envelope labeled "sample #13"

CL#: 0303339 / 0303340
September 3, 2003
Page 2

- 23.4 (0303339): Stained wipe in an envelope labeled "sample #14"
23.5 - 23.8 (0303339): Four envelopes labeled "control #11", "control #12",
"control #13", "control #14"
24.1 (0303339): Stained wipe in an envelope labeled "sample #23"
24.2 (0303339): Stained wipe in an envelope labeled "sample #24"
24.3 - 24.4(0303339): Two envelopes labeled "control #23" and "control #24"
Sealed sack containing # 25 from vehicle:
25.1 (0303339): Swab in a sealed envelope labeled "item #1"
25.2 (0303339): Swab in a sealed envelope labeled "item #2"
25.3 (0303339): Swab in a sealed envelope labeled "item #3"
25.4 (0303339): Swab in a sealed envelope labeled "item #4"
25.5 (0303339): Swab in a sealed envelope labeled "item #5"
25.6 (0303339): Swab in a sealed envelope labeled "item #6"
25.7 (0303339): Swab in a sealed envelope labeled "item #7"
25.8 (0303339): Swab in a sealed envelope labeled "item #8"
25.9 (0303339): Swab in a sealed envelope labeled "item #9"
25.10 (0303339): Swab in a sealed envelope labeled "item #10"
25.11 (0303339): Swab in a sealed envelope labeled "item #11"
25.12 (0303339): Swab in a sealed envelope labeled "item #12"
25.13 (0303339): Swab in a sealed envelope labeled "item #13"
25.14 (0303339): Swab in a sealed envelope labeled "item #14"
25.15 (0303339): Swab in a sealed envelope labeled "item #15"
25.16 (0303339): Swab in a sealed envelope labeled "item #16"
25.17 (0303339): Swab in a sealed envelope labeled "item #17"
25.18 (0303339): Swab in a sealed envelope labeled "item #18 control"
25.19 (0303339): Portion of seat belt in a sealed sack labeled "item #19..."
Sealed box containing #s 26 - 31 clothing:
26 (0303339): Sealed sack labeled "#1"
27 (0303339): Denim shirt in a sealed sack labeled "#2"
28 (0303339): Gray T-shirt in a sealed sack labeled "#3"
29 (0303339): Sealed sack labeled "#4"
30 (0303339): "Wrangler" jeans in a sealed sack labeled "#5"
31 (0303339): Sealed sack labeled "#6"
32 (0303339): Bent knife blade in a sealed envelope

Obtained by Carolyn Van Winkle on July 8, 2003 in the presence of Detective John McCaskill:
33 (0303339): Swabs (2) from tile in sack labeled "Item 17A"

Received from the T.C.M.E. Evidence Custodian on July 17, 2003:
51 (0303339): Watch inside sealed sacks / bags

Received from Detective John McCaskill on August 27, 2003:
52: (0303339): Swabs (2) in a sealed envelope labeled "...Crutsinger, Billy
8-27-03..."

CL#: 0303339 / 0303340
September 3, 2003
Page 3

RESULTS:

Presumptive testing for blood was positive on items 19.1 (0303340) jeans, 19.3 (0303340) top, 19.1 (0303339) shorts, 19.2 (0303339) T-shirt, 22.1 - 22.6, 22.9 wipes, 23.1 - 23.4 wipes, 24.2 wipe, 25.6, 25.7, 25.9, & 25.10 swabs, 27 shirt, 28 T-shirt, 30 jeans, and 32 knife.

Testing for the presence of human blood was positive on items 22.7, 22.8, 24.1 wipes, 25.8 swab, 25.19 seat belt, 27T₃ & 27₄ shirt, 30T₂ & 30T₃ jeans and 33 tile swab.

Blood was not detected on item 51 watch.

No analysis was conducted on items 22.10 - 22.16, 23.5 - 23.8, 24.3 - 24.4, 25.1 - 25.5, 25.11 - 25.18, 26, 29, and 31.

Human DNA was recovered and quantified from the following items:

CL# 0303340: 19.1T₁ jeans, 19.3T₁ top & 16 Pearl Magouirk's autopsy blood
CL# 0303339: 19.1T₁ shorts, 19.1T₂ shorts, 19.2T₁ T-shirt, 20 Patricia Syren's autopsy blood, 52 Billy Crutsinger's swabs, 22.7 drawer, 22.8 garage, 24.1 dishwasher, 25.8 steering wheel, 25.19 seat belt, 27T₁- 27T₄ shirt stains, 27T₅ shirt neck swabbing, 30T₁ & 30T₂ jean cutoffs pocket stains, 30T₃, 30T₄ & 30T₆ jean cutoffs stains, 32 knife blade, and 33 tile stain.

The recovered DNA was characterized through Polymerase Chain Reaction (PCR) with analysis of the Amelogenin locus for sex determination and the following Short Tandem Repeat (STR) loci: D3S1358, vWA, FGA, D8S1179, D21S11, D18S51, D5S818, D13S317, and D7S820.

Items from CL# 0303340: 19.1T₁ jeans & 16 Pearl Magouirk's autopsy blood and CL# 0303339: 19.1T₁ shorts, 20 Patricia Syren's autopsy blood, 52 Billy Crutsinger's swabs, 27T₄ shirt stains, 30T₁ & 30T₂ jean cutoffs pocket stains were also characterized at the additional STR loci: D16S539, THO1, TPOX, and CSF1PO.

CONCLUSIONS:

A single male DNA profile that matches the DNA profile obtained from Billy Crutsinger (item 52) was obtained from each of the following items:

CL# 0303340: 19.1T₁ Pearl Magouirk's jeans
CL# 0303339: 19.1T₁ Patricia Syren's shorts, 19.2T₁ Patricia Syren's T-shirt, 22.7 drawer, 22.8 garage, 24.1 dishwasher, 25.8 steering wheel, 25.19 seat belt, 27T₁- 27T₃ shirt stains, 30T₃, 30T₄ & 30T₆ jean cutoffs stains, and 33 tile stain.

CL#: 0303339 / 0303340
 September 3, 2003
 Page 4

A single female DNA profile that matches the DNA profile obtained from Patricia Syren (item 20) was obtained from items 19.3T₁ (0303340) Pearl Magouirk's top, 19.1T₂ (0303339) Patricia Syren's shorts, and 32 knife blade (0303339).

The DNA profile obtained from the denim shirt left front pocket stain, item 27T₄, is a mixture of DNA from at least two female contributors which correspond to alleles originating from both Patricia Syren (item 20) and Pearl Magouirk (item 16). Billy Crutsinger (item 52) is excluded as a contributor of this DNA.

The DNA profile obtained from the denim shirt collar, item 27T₅, is a mixture of DNA from at least two contributors. The major male DNA profile matches the DNA profile obtained from Billy Crutsinger (item 52). Minor DNA alleles detected at the loci D3S1358, vWA, D21S11, and D13S317 were consistent with having originated from Patricia Syren (item 20). A single minor DNA allele at the locus D8S1179 could not have originated from Patricia Syren, Billy Crutsinger, or Pearl Magouirk.

The DNA profile obtained from the jean cutoffs pocket stain, item 30T₁, is a mixture of DNA from more than two contributors. Male DNA was detected. This mixed DNA profile is consistent with having originated from Pearl Magouirk (item 16), Patricia Syren (item 20), and Billy Crutsinger (item 52). Results at the D18S51 locus were inconclusive.

The DNA profile obtained from the jean cutoffs pocket stain, item 30T₂, is a mixture of DNA from at least two contributors. Male DNA was detected. Alleles that correspond to those of Billy Crutsinger (item 52) were detected at all thirteen loci. Although additional alleles detected at the loci D3S1358, and TPOX correspond to those of Patricia Syren, results at the loci FGA, D8S1179, D21S11 and CSF1PO were inconclusive.

STATISTICAL DATA

The probability of selecting an unrelated individual having the same DNA profile as that obtained from items CL# 0303340: 19.1T₁ Pearl Magouirk's jeans and CL# 0303339: 19.1T₁ Patricia Syren's shorts (which each match Billy Crutsinger's DNA profile) is approximately:

1 in	86,600,000,000,000	in Caucasians
1 in	1,790,000,000,000,000	in African Americans
1 in	243,000,000,000,000	in Southwest Hispanics

Based on the DNA data obtained from the denim shirt left front pocket stain, item 27T₄, [which is consistent with having originated from both Patricia Syren (item 20) and Pearl Magouirk (item 16)], it is expected that at least 99.99% of unrelated individuals in each of the Caucasian, African American, and Hispanic populations are excluded as possible contributors to this mixture.

86 Trillion
 1.7 Quadrillion
 243 Trillion

CL#: 0303339 / 0303340
September 3, 2003
Page 5

Based on the DNA data obtained from the jean cutoffs pocket stain, item 30T₁, [which is consistent with having originated from Patricia Syren (item 20), Pearl Magouirk (item 16), and Billy Crutsinger (item 52)], it is expected that at least 99.8% of unrelated individuals in each of the Caucasian, African American, and Hispanic populations are excluded as possible contributors to this mixture.

CODIS ENTRY:

The DNA profile obtained from item CL# 0303340: 19.1T₁ jeans will be entered into the Combined DNA Index System (CODIS), where it will be searched against casework databases (local, state, and national) and convicted offender databases (state and national). In the event of any significant matches, your agency will be notified.

DISPOSITION OF EVIDENCE:

Biology / DNA laboratory: CL#: (0303340) Items 19.1T₂ & 19.3T₂
CL#: (0303339) Items 22.1 - 22.6, 23.1 - 23.4, 24.2, 25.6, 25.7, 25.9, 25.10, 28T₁ - 28T₃ & 30T₅

Remaining items CL# 0303340: 19.1T₁, 19.3T₁, & 16
CL# 0303339: 19.1T₁, 19.1T₂, 19.2T₁, 20, 22.7, 22.8, 24.1, 25.8, 25.19, 27T₁ - 27T₅, 30T₁ - 30T₄, 30T₆, 32, 33 & 52

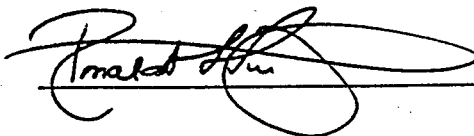
TCME Evidence Custodian: CL#: (0303340): Items 19.1 & 19.3
CL#: (0303339): Items 19.1, 19.2, 22.9 - 22.16, 23.5 - 23.8, 24.3 - 24.4, 25.1 - 25.5, 25.11 - 25.19, 26 - 31 & 51
Packaging only Items 22.1 - 22.8, 24.1, 23.1 - 23.4, 24.2 & 52

For additional inquiries or requests, please contact the DNA laboratory at 817-212-7026.

DNA ANALYST: Carolyn Van Winkle, M.S.



APPROVED BY: Ronald L. Singer, M.S.



TARRANT COUNTY MEDICAL EXAMINER'S OFFICE SEROLOGY

SEMEN / SALIVA DATA SHEET

Crime lab Number(s): 0303340Analyst: cu

ITEM #/DESCRIPTION

AP

Sperm

P30
(ABA)

Amylase

LMG

#18 SAK containing
sealed items:Date: 9/8/03 9/8/03

18.1	Vaginal Smear		Ø			
18.2	Oral Smear		Ø			
18.3	Anal smear		Ø			
18.4	Vaginal Swabs (6)	Ø (x4)				
18.5	Oral Swabs (4)	Ø (x4)				
18.6	Anal Swabs (4)	Ø (x4)				
18.7	Peri anal swabs	Ø (x2)				
18.8	Pulled scalp hair					
18.9	Combed Pubic hair					
18.10	Pulled Pubic hair					

DISPOSITION: #18.8 - 18.10 unopened

**TARRANT COUNTY MEDICAL EXAMINER'S OFFICE
SEROLOGY Q.C. DATA AND RESULTS**

Crime lab Number(s): 0303340

Analyst: CW

LOT NUMBERS /CONTROL RESULTS

Semen AP: (+) 4 (-) 4 Date: 5-6-03 Seri lot#: 1521 Exp. 1003

P30: _____ Date: _____ ABA lot#: _____

Blood LMG: (+) _____ (-) _____ Date: _____ lot#: _____

Anti-human: (+) _____ (-) _____ Date: _____ ABA lot#: _____ Exp. _____

Ouchterlony: (+) _____ (-) _____ Date: _____ lot#: _____ Exp. _____

Luminol: (+) _____ (-) _____ Date: _____ Prep. Date: _____ Exp. _____

Saliva amylase: _____ Date: _____ Buffer lot#: _____ Exp. _____

1:100 (+) _____ mm (-) _____ mm

1:500 (+) _____ mm

7 July 03

Crew

Rec'd 26 June 03 #s 19.1 & 19.3
from G. Dill

#s 19.1 & 19.3 in separate sacks packaged inside
larger sealed G.P.S. / additional clothing items #19
NOT RECEIVED

19.1

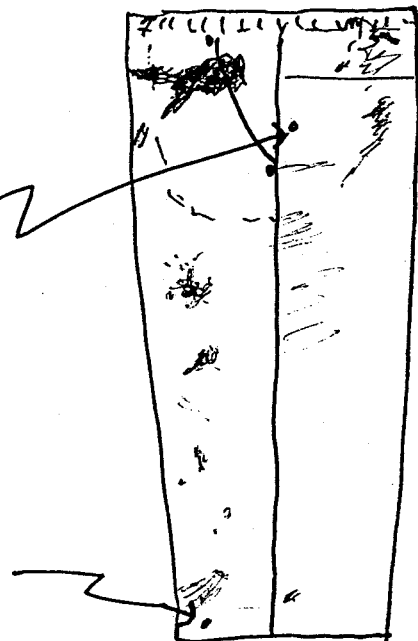
Sealed G.P.S. containing

Elastic waist short jeans sz. 16 A "Husband for Her"
ie Capri length
blood soaked

LMG:pos

T₁ ~ 2mm
stain
frozen

T₂ ~ 3mm
stain
frozen



"L side"

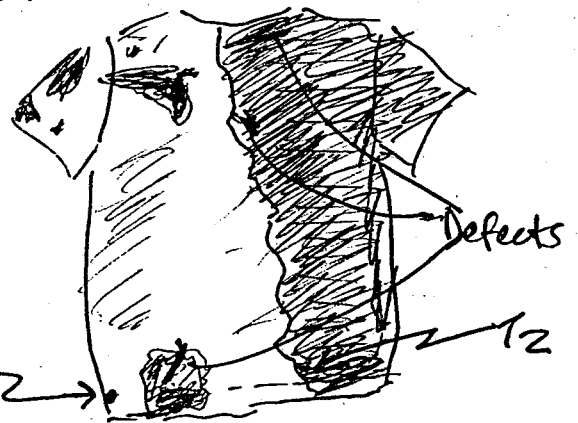
#19.3

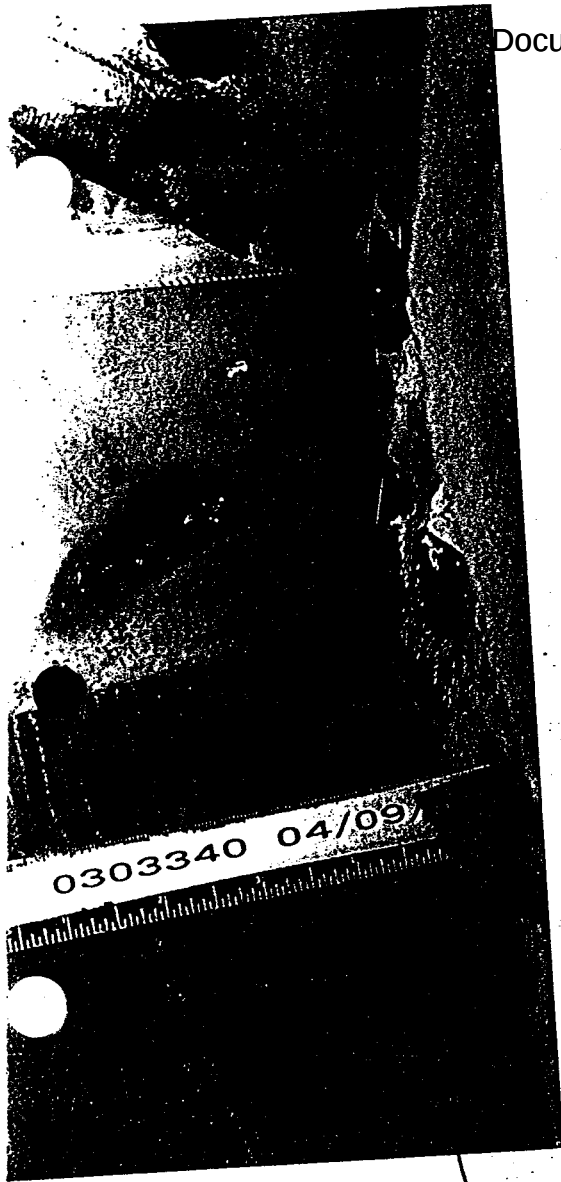
Sealed G.P.S. containing
White short sleeve top "Club USA..."
blood soaked

LMG:pos

T₁ & T₂

T₁ ~ 5mm
frozen





030 3340
Lew

Drops
on
Pearl

sl on White Tshirt
lower back

**TARRANT COUNTY MEDICAL EXAMINER'S OFFICE
SEROLOGY Q.C. DATA AND RESULTS**

Crime lab Number(s): 030 3340

Analyst: CW

LOT NUMBERS /CONTROL RESULTS

Semen AP: (+) 4 (-) 0 Date: 9-8-03 Seri lot#: 1521 Exp. 1003

P30: _____ Date: _____ ABA lot#: _____

Blood LMG: (+) + (-) 0 Date: 7-7-03 lot#: 121702CLP

+ 0 7-8-03 121702CLP

+ 0 7-18-03 121702CLP

Anti-human: (+) + (-) 0 Date: 7-22-03 ABA lot#: 33221202 Exp. June 2004

Ouchterlony: (+) _____ (-) _____ Date: _____ lot#: _____ Exp. _____

Luminol: (+) _____ (-) _____ Date: _____ Prep. Date: _____ Exp. _____

Saliva amylase: _____ Date: _____ Buffer lot#: _____ Exp. _____

1:100 (+) _____ mm (-) _____ mm

1:500 (+) _____ mm

OFFICE OF THE CHIEF MEDICAL EXAMINER
TARRANT COUNTY MEDICAL EXAMINER'S DISTRICT
 200 FELIKS GWOZDZ PLACE
 FORT WORTH, TEXAS 76104-4949
 817-920-5700 FAX 817-920-5713
CHAIN OF CUSTODY FORM

COPY

Date of Submission: 8-28-03
 Date of Offense: 4-8-03
 Crime Lab Number: _____
 ME Number: 0303340 *cuw* 0303339
 Agency, Address & Phone Number:
FWPD, 350 W. Beiknap St., FW Tx 76102
817-877-8225 for TCDA's Office

Offense Number: 03038339
 Type of Offense: Cap. Murder
 Victim: Syren, Patricia / Magovirk, Pearl
 Suspect(s): Crutsinger, Billy
 Contact Name & Phone Number:
Det. John McCaskill for Michelle
Hartmann, ADA

Exhibit #	Quantity	Description of Articles	
18.1 & 18.4	<i>few</i>	Vaginal swabs and smear From Pearl Magovirk	
18.2		Oral " " " " " "	
18.3 & 18.6		Anal " " " " " "	
18.7		Perianal swabs from Pearl Magovirk	
18.9		Combed pubic hair " " "	
18.8 & 18.10		Pulled " " " " " "	
18.8		Pulled scalp hair " " "	
18.7 & 18.4		Vaginal swabs and smear from Patricia Syren	
18.6 & 18.3		Oral " " " " " "	
18.8 & 18.5		Anal " " " " " "	
18.9		Perianal swabs from Patricia Syren	
18.11		Combed Pubic hair " " "	
Exhibit #	Date/Time	Relinquished By	Received By
	8-28/03 0940	Print John McCaskill Sign <i>John McCaskill</i>	Print Traci Wilson Sign <i>Traci Wilson</i>
18.1 - 18.9 18.10	8-28-03 1050	Print T. Wilson Sign <i>T. Wilson</i>	Print C. Van Winkle Sign <i>C. Van Winkle</i>
18.1 - 18.9 18.10	9/8/03 1420	Print C. Van Winkle Sign <i>C. Van Winkle</i>	Print RG - D. // Sign <i>RG - D. //</i>
18.3 - 18.2	9/8/03 1420	Print C. Van Winkle Sign <i>C. Van Winkle</i>	Print RG - D. // Sign <i>RG - D. //</i>
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____

0303340
cuw

0303339
cuw

(see page 2 for chain of custody)

-Page 2 COPY

Offense Number: 03038339
Type of Offense: Cap. Murder
Victim: Soren, Patricia / Magouirk, Pearl
Suspect(s): Crotzinger, Billy

Contact Name & Phone Number:
Det. John McCaskill for Michelle
Hartmann, ADA

[illegible]

COPY

T.C.M.E. Number 03 03339
Victim Name Patricia Syren
Suspect (s) Billy Crutsinger
Contact Name & Phone Number:
Det. John McCaskill for Michelle
Hartmann, DA's Office

[illegible]

Exhibit # (s) (TCME Use Only)	Date / Time	Relinquished By:	Received By:
52	8-27-03 0948	Print: John McCaskill Sign: <i>John McCaskill</i>	Print: C. Van Winkle Sign: <i>C. Van Winkle</i>
52 padding	9/3/03 1339	Print: <i>C. Van Winkle</i> Sign: <i>C. Van Winkle</i>	Print: Rg y - - all Sign: <i>[Signature]</i>
		Print:	Print:
		Sign:	Sign:
		Print:	Print:
		Sign:	Sign:
		Print:	Print:
		Sign:	Sign:
		Print:	Print:
		Sign:	Sign:

REQUESTS: _____

OFFICE OF THE CHIEF MEDICAL EXAMINER
TARRANT COUNTY MEDICAL EXAMINER'S DISTRICT
 200 FELIKS GWOZDZ PLACE
 FORT WORTH, TEXAS 76104-4949
 817-920-5700 FAX 817-920-5713
CHAIN OF CUSTODY FORM

Date of Submission: 8-28-03
 Date of Offense: 4-8-03
 Crime Lab Number: _____
 ME Number: 0303340 *scw* 0303339
 Agency, Address & Phone Number:
FWPD 350 W. Belknap St., FW Tx 76102
817-877-8225 for TCEA's Office

Offense Number: 03038339
 Type of Offense: Cap. Murder
 Victim: Syren, Patricia / Magovirk, Pearl
 Suspect(s): Crutinger, Billy
 Contact Name & Phone Number:
Det. John McCaskill for Michelle
Hartmann, ADA

Exhibit #	Quantity	Description of Articles	
18.1 & 18.4	<i>scw</i>	Vaginal swabs and smear From Pearl Magovirk	
18.2 & 18.2		Oral " " " " " "	
18.3 & 18.6		Anal " " " " " "	
18.7		Perianal swabs from Pearl Magovirk	
18.9		Combed pubic hair " " "	
18.8 & 18.10		Pulled " " " " " "	
18.8		Pulled scalp hair " " "	
18.1 & 18.4		Vaginal swabs and smear from Patricia Syren	
18.6 & 18.3		Oral " " " " " "	
18.8 & 18.5		Anal " " " " " "	
18.9		Perianal swabs from Patricia Syren	
18.11		Combed Pubic hair " " "	
Exhibit #	Date/Time	Relinquished By	Received By
	8-28/03 0940	Print <u>John McCaskill</u> Sign <u>John McCaskill</u>	Print <u>Traci Wilson</u> Sign <u>Traci Wilson</u>
18.1 - 18.9 18.10	8-28-03 1050	Print <u>T. Wilson</u> Sign <u>T. Wilson</u>	Print <u>C. Van Winkle</u> Sign <u>C. Van Winkle</u>
18.1 - 18.9 18.10	9/8/03 1420	Print <u>C. Van Winkle</u> Sign <u>C. Van Winkle</u>	Print <u>B. G. Dill</u> Sign <u>B. G. Dill</u>
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____

0303340
scw

0303339
scw

BLOOD SWATCHES

0303340
CW

M. E. Number	Drs. Int.	Date	For Laboratory Use
0303313			
0303315			
0303323			
0303326			
0303328			
0303337			
0303339			-retained frozen 6/26/03 CW
0303340			-retained frozen 6/26/03 CW
0303341			
0303351			
0303389			
0303401			
0303404			
0303407			
0303430			
0303436			
0303438			
0303439			
0303440			

eived By: CYPe: 415-03

DNA EXTRACTION WORKSHEET

Date(s) started: K 7-9-03Crime Lab #(s): 0303340Q 7-10-03Analyst: LCWQuantitation: PP Amplification(s): Co:

Amp #	Sample Information	Quant.	ng/μl	μl DNA	μl H ₂ O	μl DNA	μl H ₂ O
2469 2446 <u>LCW</u>	19.1 T _i jeans	5.0	2.5	0.2	9.8	0.3	9.7
2470 2447 <u>LCW</u>	19.3 T _i Top	4.0	2.0	0.25	9.75		
2471 2448 <u>LCW</u>	16 Pearl Magouirk G.S.	2.5	1.25	0.4	9.6	0.35	9.65
	1:10	~2.0					
2430	Q Ext Cont	∅					
2432	R Ext Cont	∅					

Organic Extraction: ✓ Q

Extract Disposition: _____

Chelex Extraction: ✓ IC

Comments: _____

DNA QUANTITATION RESULTS

Analyst:

7-11-03

Date:

CLP / Cvw

Sample volumes:

2ul

Crime Lab #(s):

010679T

011866T

0305136

0305837

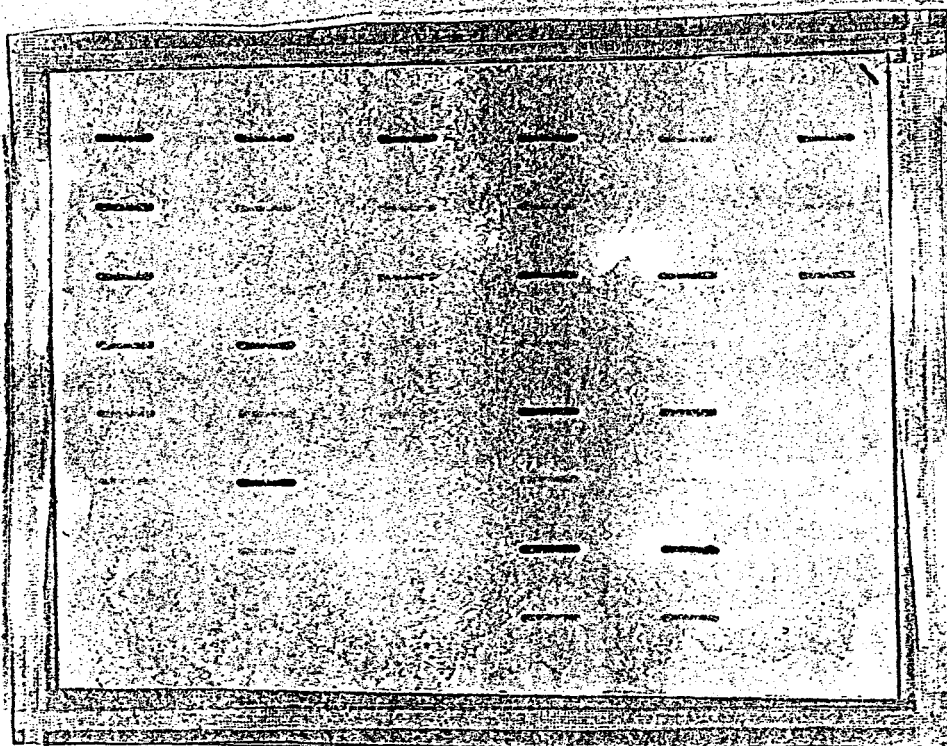
0305330

0303339

0303340

	1	2	3	4	5	6
A	10 ng	Calibrator 1-3.5 ng	010679T 26	→ 30	0303339 20	0305330 1.4
B	5 ng	Calibrator 2-0.5 ng	26 1:10	30 1:10	20 1:10	1.4 1:10
C	2.5 ng		27	0305136 8.9	21	8
D	1.25 ng	011866T K1	27 1:10	8.9 1:10	21 1:10	8 1:10
E	0.62 ng	K1 1:10	28	9	0303340 16	
F	0.31 ng	K2	28 1:10	9 1:10	16 1:10	
G	0.15 ng	K2 1:10	29	0305837 12	→ 13	
H	0 ng		29 1:10	12 1:10	13 1:10	K-Extct

LUMIGRAPH

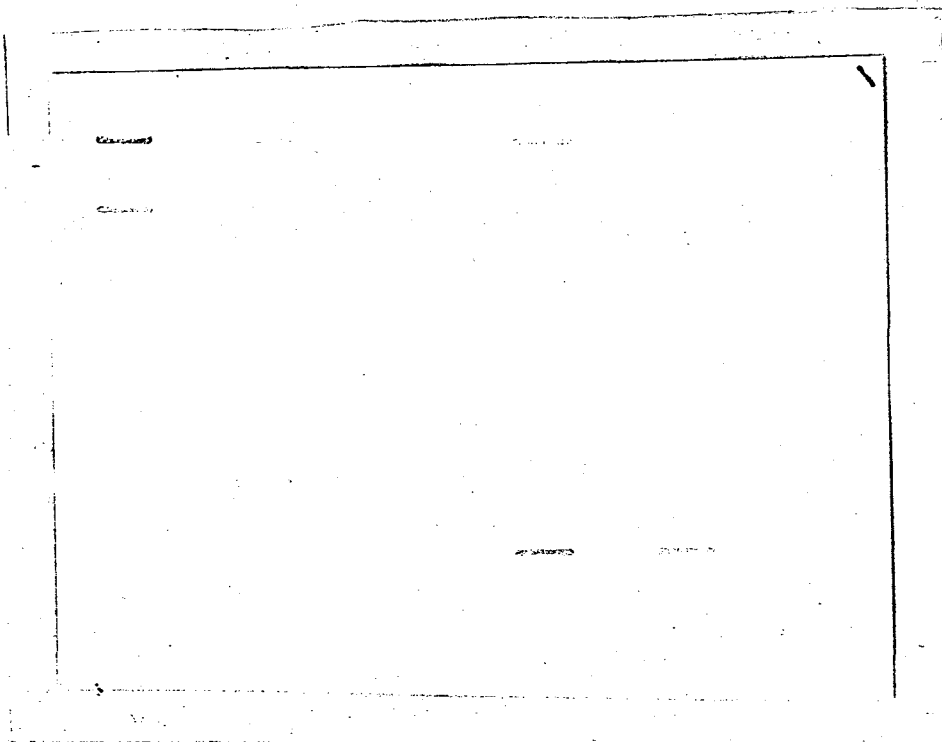


DNA QUANTITATION RESULTS

Analyst: 7-11-03 Crime Lab #(s): 010679T
 Date: CLP / Cvw 011866T
 Sample volumes: 2ul 0305136
0305837
0305330
0303339
0303340

	1	2	3	4	5	6
A	10 ng	Calibrator 1-3.5 ng	010679T 26	→ 30	0303339 20	0305330 1.4
B	5 ng	Calibrator 2-0.5 ng	26 1:10	30 1:10	20 1:10	1.4 1:10
C	2.5 ng		27	0305136 8.9	21	8
D	1.25 ng	011866T K1	27 1:10	8.9 1:10	21 1:10	8 1:10
E	0.62 ng	K1 1:10	28	9	0303340 16	
F	0.31 ng	K2	28 1:10	9 1:10	16 1:10	
G	0.15 ng	K2 1:10	29	0305837 12	→ 13	
H	0 ng		29 1:10	12 1:10	13 1:10	K-Extetl

LUMIGRAPH



A QUANTIFICATION CHART

Analyst:

Date:

Sample volumes:

(v.v)
15 July 03
2 μ l

Crime Lab #(s):

0305804

0305806

0203115

0305136

0305837

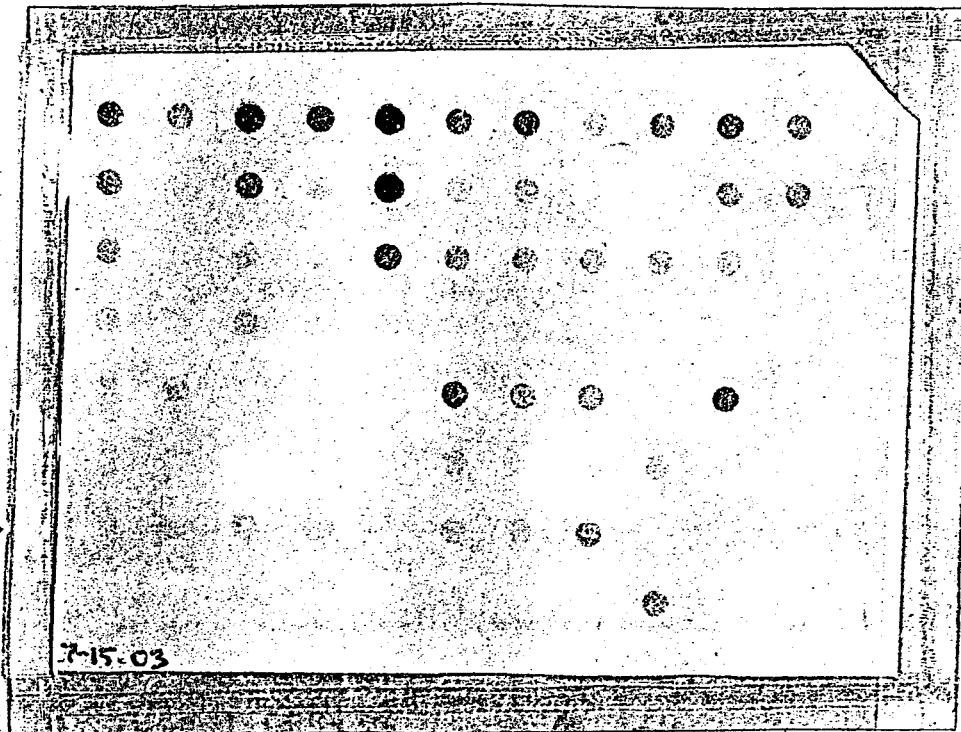
0305330

0303339

0303340

	1	2	3	4	5	6	7	8	9	10	11	12
A	10 ng	Calibrator 1-3.5 ng	0305136 7 EC1	0305330 1.1 EC1	0305837 3 EC1	0303339 19.1 T ₁	22.8	32	277 ₃	307 ₃	0303340 19.1 T ₁	
B	5 ng	Calibrator 2-0.5 ng	7 EC1 (1:10)	1.1 EC1 (1:10)	3 EC1 (1:10)	19.1 T ₁ (1:10)	22.8 1:10	32 (1:10)	277 ₃ (1:10)	307 ₃ (1:10)	19.3 T ₁	
C	2.5 ng		7 EC2	1.1 EC1 (1:100)	3 EC1 (1:100)	19.1 T ₂	24.1	33	277 ₄	307 ₄		
D	1.25 ng	0305806 1	7 sp	1.1 EC2	3 EC2	19.1 T ₂ (1:10)	24.1 (1:10)	33 (1:10)	277 ₄ (1:10)	307 ₄ (1:10)		EC1 Extchl.
E	0.62 ng	0305804 1	7 sp (1:10)	1.1 sp	3 sp	19.2	25.8	277 ₁	277 ₅	307 ₆		EC2 Extchl.
F	0.31 ng	1 (1:10)			2 EC1	19.2 (1:10)	25.8 (1:10)	277 ₁ (1:10)	307 ₁			Sp Extchl.
G	0.15 ng	0203115 48	0306033 1.1 T ₁	0305837 8	2 EC2	22.7	25.19	277 ₂	307 ₁ (1:10)			Q Extchl. dx
H	0 ng	48 (1:10)	1.2 T ₁		2 sp	22.7 (1:10)		277₂ (1:10) 277 ₂	307 ₂			Q Extchl. Org

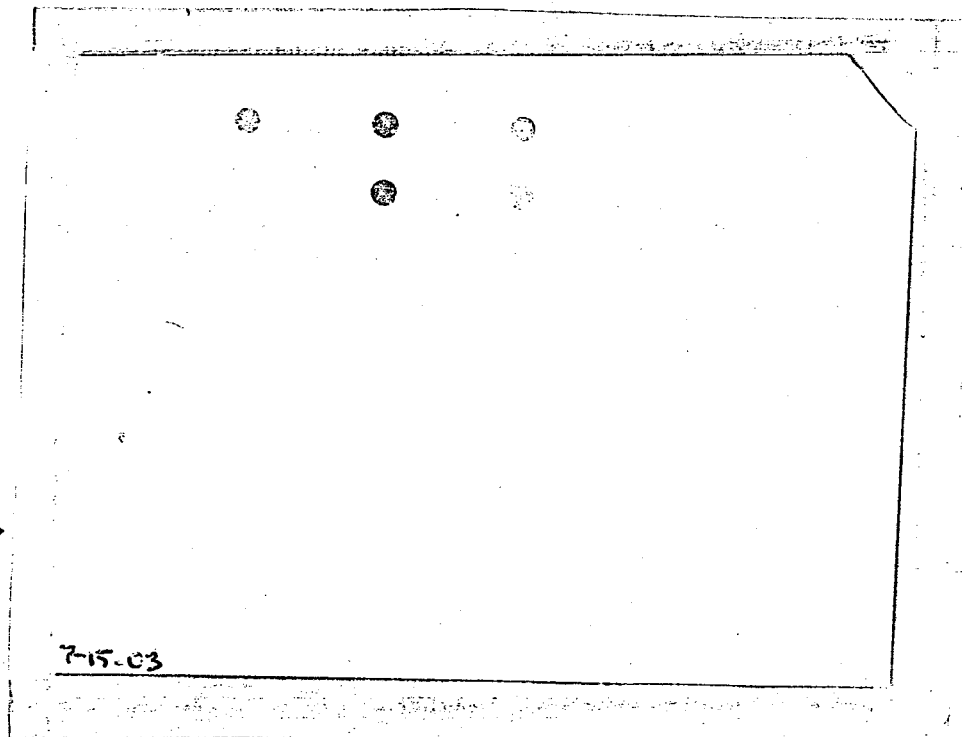
3340
0306797
Cm
QvW
15 July 03



03 03340

Qrw

15 July 03



AMPLIFICATION AND SAMPLE WELL POSITION WORKSHEET

Date of amplification: 15 July 03
Analyst: CW

Crime Lab #(s): 0203115 0303339
0306033 0303340
0305804 0305330
0305806 0305832
0106797 0305136
0118667

Profiler Plus: ☒

COfiler: ☐

Master Mix:

598.5 μ L Reaction Mix (# samples X 10.5 μ L reaction mix)
28.5 μ L Taq Gold DNA Polymerase (# samples X 0.5 μ L Taq)
313.5 μ L Primer Set (# samples X 5.5 μ L)

Thermocycler 2400

Front

	2426	2427A	2427B	2428	2429	2430	2431	2432	2433	2434	2435
	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	
	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	
	2476	2477	2478	2479	2480	2481					
	2482	2457	2458 Cw	2459	2460	2461	2462	2463	2464	2465	
	2466	2467 (9947A)	2468 (Amp)	2469	2470	2471	2472	2473	2474	2475	

Thermocycler 9700

Front

AMPLIFICATION AND SAMPLE WELL POSITION WORKSHEET

Date of amplification: 21 July 03Crime Lab #(s): 030004T 0303339Analyst: Cus0203115 03033400306033 03053300305804 03051360305806Profiler Plus: ☒COfiler: ☒

Master Mix:

84.0	<u>294.0</u>	μL Reaction Mix (# samples X 10.5 μL reaction mix)
9.0	<u>4.0</u>	μL Taq Gold DNA Polymerase (# samples X 0.5 μL Taq)
44	<u>154.0</u>	μL Primer Set (# samples X 5.5 μL)

Thermocycler 2400

Front

	2451R PP	2452R PP	2482 PP	2483 PP	2484 PP	2485 PP		2486 PP 9947A	2487 PP 0 Amp		
	2382 CO		2426 CO	2427A CO	2427B CO	2428 CO	2429 CO		2430	2431	2432
	2436 CO	2449 CO	2451 CO	2452 CO	2456 CO	2457 CO	2458 CO	2462 CO	2461 CO	2469 CO	2471 CO
	2463 CO	2464 CO	2465 CO	2466 CO		(9947A) 2468 CO	0 Amp 2468 CO		2479 CO	2481 CO	

Thermocycler 9700

Front

REAGENT LOG

Analyst: CWJ
 Date: July 03

Crime Lab Case #: 0303340

Reagent	Lot # / Exp date
Extraction Buffer	042303clp
TE ⁻⁴	123002clp
4M DTT	071902cvw
Proteinase K	061003clp/0304
Phenol:Chloroform:Isoamyl	1148557
QuantiBlot kit	E01526 / 022904
Hydrogen peroxide	022925
Chromogen	D01378 / 033104
Biodyne B	100141
Profiler Plus kit	0211060 / 112203
COfiler kit	0211043 / 112003
GS 500 Rox	36095711131
Formamide	0212196
310 Buffer	0111125
POP-4	0303098 / 082803
310 Capillary	MCV04A
Dye Primer Matrix Standard	0302054

Statistics Report

Database: f:\Popstats\Popdata\FBI\STR
Case Type: Forensic Single Sample
Specimen ID: 0303340-19.1T1 & 0303339-14.
DNA Analyst: cvwinkle
Date: July 23, 2003
Page: 1

Probe	Allele +/-		CAU	Allele Frequency	
	Allele	Minimum Maximum		BLK	SEH
D3S1358	16		2.3150E-01	3.0710E-01	2.4610E-01
D3S1358	17		2.1180E-01	2.0000E-01	1.6230E-01
VWA	16		2.0150E-01	2.6940E-01	2.6880E-01
VWA	18		2.2190E-01	1.3610E-01	1.8750E-01
FGA	18		3.0600E-02	1.3900E-02	1.3100E-02
FGA	21.2		1.2800E-02	1.3900E-02	1.3100E-02
D8S1179	14		2.0150E-01	3.3330E-01	2.1200E-01
D21S11	28		1.6580E-01	2.1510E-01	1.2570E-01
D21S11	30		2.3210E-01	1.7880E-01	2.3820E-01
D18S51	14		1.7350E-01	6.3900E-02	1.3090E-01
D18S51	15		1.2760E-01	1.6670E-01	1.9110E-01
D5S818	11		4.1030E-01	2.6110E-01	3.9380E-01
D5S818	12		3.5390E-01	3.5560E-01	3.1670E-01
D13S317	12		3.0870E-01	4.8320E-01	2.2920E-01
D13S317	13		1.0970E-01	1.2570E-01	1.0830E-01
D7S820	10		2.9060E-01	3.2380E-01	2.6670E-01
D7S820	11		2.0200E-01	2.2380E-01	2.2710E-01
CSF1PO	10		2.5370E-01	2.7140E-01	2.5420E-01
TPOX	8		5.4430E-01	3.6840E-01	5.0630E-01
TH01	6		2.2660E-01	1.0950E-01	2.1250E-01
TH01	9.3		3.0540E-01	1.0480E-01	2.3540E-01
D16S539	11		2.7230E-01	2.9430E-01	2.8130E-01
D16S539	12		3.3910E-01	1.8660E-01	2.5420E-01

SWH
2.6560E-01
1.2680E-01
3.5960E-01
1.9460E-01
1.2300E-02
1.2300E-02
2.4630E-01
6.9000E-02
3.3010E-01
1.7000E-01
1.3790E-01
4.2120E-01
2.9060E-01
2.1680E-01
1.3790E-01
3.0620E-01
2.8950E-01
2.5360E-01
5.5500E-01
2.3210E-01

Database: f:\Popstats\Popdata\FBI\STR

Case Type: Forensic Single Sample

Specimen ID: 0303340-19.1T1 & 0303339-1A.1

DNA Analyst: cvwinkle

Date: July 23, 2003

Page: 2

2.4160E-01

3.1490E-01

2.8610E-01

NRC 96 Formula used

CAU frequency = 1 in 866,600,000,000,000

BLK frequency = 1 in 17,980,000,000,000,000

SEH frequency = 1 in 7,013,000,000,000,000

SWH frequency = 1 in 2,435,000,000,000,000

BIOLOGY TECHNICAL PEER REVIEW

Date of Completion: 8 Sept 03 Crime Lab #: 0303340Primary Analyst: CW Reviewer: CW

	YES	NO*	N/A	REPORT
1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have the requested examinations been addressed?
2.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are the results clearly communicated?
				ADMINISTRATIVE REVIEW
3.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is the report correct editorially and typographically?
4.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is the general format of the report consistent with laboratory policy?
				SUPPORTING DOCUMENTATION
5.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is the evidence adequately described?
6.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are the case number and analyst's initials on all pages?
7.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Does the documentation support the examinations conducted?
8.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is the chain of custody current and properly documented?
				RESULTS and CONCLUSIONS
9.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were standards and/or controls used and adequately documented?
10.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Do the tests performed conform to accepted techniques?
11.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were conclusions fully supported by the data?
12.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are conclusions reasonable and acceptable by peers within this discipline?

*Comments Required: _____

All data pertaining to this laboratory report was reviewed and the interpretation of this data was agreed upon.

Signature of technical peer reviewer: Constance Patton Date: 9-9-03

STR TECHNICAL PEER REVIEW

Date of Completion: 23 July 03 Crime Lab #: 0303339/0303340Primary Analyst: CW Reviewer: ChP

	YES	NO*	N/A	
1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	STR DATA ANALYSIS REVIEW
				Have the GeneScan data been re-analyzed including the GS-500 ROX range and 250 peak?
2.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have the GenoTyper data been re-analyzed?
3.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has the typing obtained from the positive control been confirmed?
4.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have the results from the negative controls been confirmed?

	YES	NO*	N/A	
5.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SUPPORTING DOCUMENTATION
				Are the case number and analyst's initials on all pages?
6.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are all worksheets and the reagent logs present and complete?
7.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are the GeneScan and GenoTyper data sheets present?
8.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has the data transcription been reviewed from the STR results table and the CODIS specimen entry forms if applicable?

	YES	NO*	N/A	
9.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	RESULTS and CONCLUSIONS
				Were conclusions fully supported by the data?
10.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	When offered, was the frequency data fully supported by the data?

	YES	NO*	N/A	
11.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DISPOSITION
				Was the disposition of the evidence/stain included?

*Comments Required: _____

All data pertaining to this laboratory report was reviewed and the interpretation of this data was agreed upon.

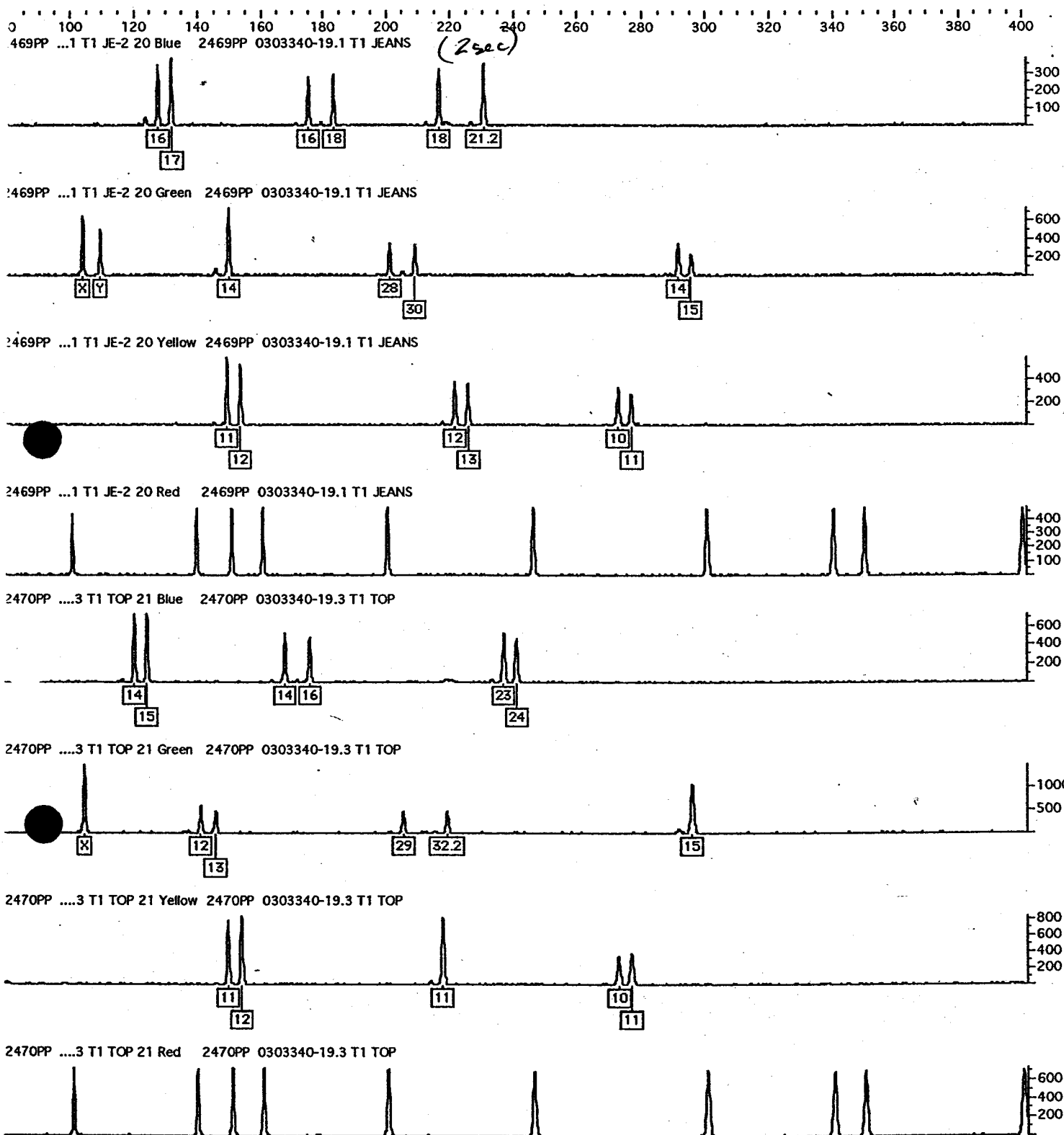
Signature of technical peer reviewer: Constance Patton Date: 7-29-03

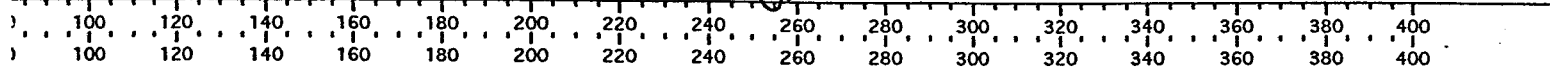
STR TYPING RESULTS

Crime Lab #s: 030 3340
Analyst: CW
Date: 17th July 03

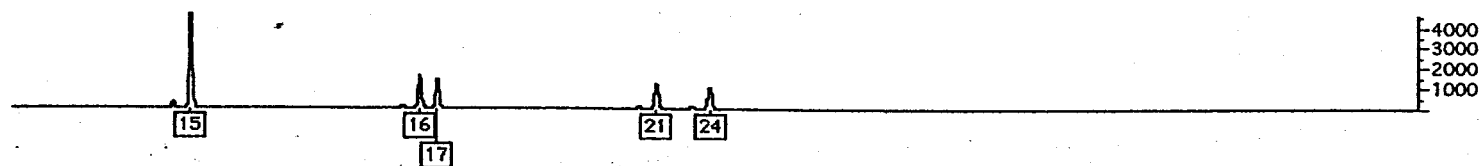
Profiler Plus Alleles Detected:[illegible]

Tube & Sample Name	Module	Inj. Secs	Inj. kV	Run kV	Run °C	Run Time
C9 - PP LADDER	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
C9 - PP LADDER	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
A1 - 2426PP 0203115-48 GLASS	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
A3 - 2427A PP 0306033-1.1 T1 MASK	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
A5 - 2427B PP 0306033 1.2 T1 MASK	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
C5 - 2467PP 9947A - <i>failed inj</i> -	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
C5 - 2467PP 9947A	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
C7 - 2468PP NEG AMP CONT <i>spice</i>	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
A7 - 2428PP 0305804-1.1 PAPER	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
A9 - 2429PP 0305806-1 SWAB	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
B1 - 2430PP ORG Q EXT CONT	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
C9 - PP LADDER	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
B2 - 2431PP CLX Q EXT CONT	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
B4 - 2432PP K EXT CONT	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
B6 - 2433PP 010679T-26 S HALL	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
B8 - 2434PP 011866T-KI #7 BABY DOE	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
B10 - 2435PP 011866T-K2 #8 F WEATHERR	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
B12 - 2469PP 0303340-19.1 T1 JEANS (<i>failed inj</i>)	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
C9 - PP LADDER	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
B12 - 2469PP 0303340-19.1 T1 JEANS	GS STR POP4 (1 mL)	2	15.0	15.0	60	25
C1 - 2470PP 0303340-19.3 T1 TOP	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
C1 - 2470PP 0303340-19.3 T1 TOP	GS STR POP4 (1 mL)	2	15.0	15.0	60	25
C3 - 2471PP 0303340-16 P MAGOUIRK	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
C5 - 2467PP 9947A	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
C7 - 2468PP NEG AMP CONT	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
C9 - PP LADDER	GS STR POP4 (1 mL)	5	15.0	15.0	60	25

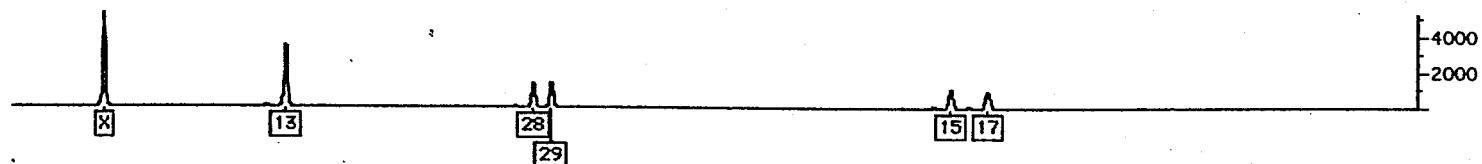




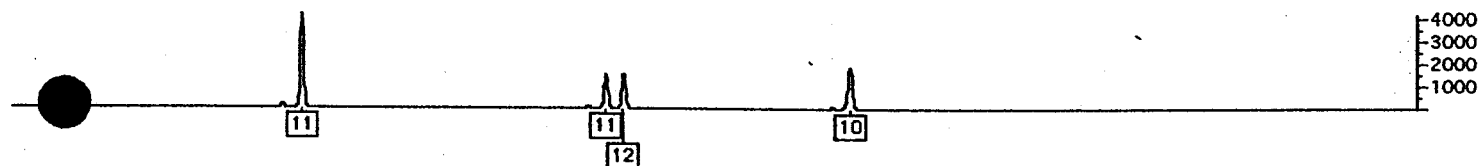
171PP ... MAGUIRK 23 Blue 2471PP 0303340-16 P MAGUIRK



171PP ... MAGUIRK 23 Green 2471PP 0303340-16 P MAGUIRK

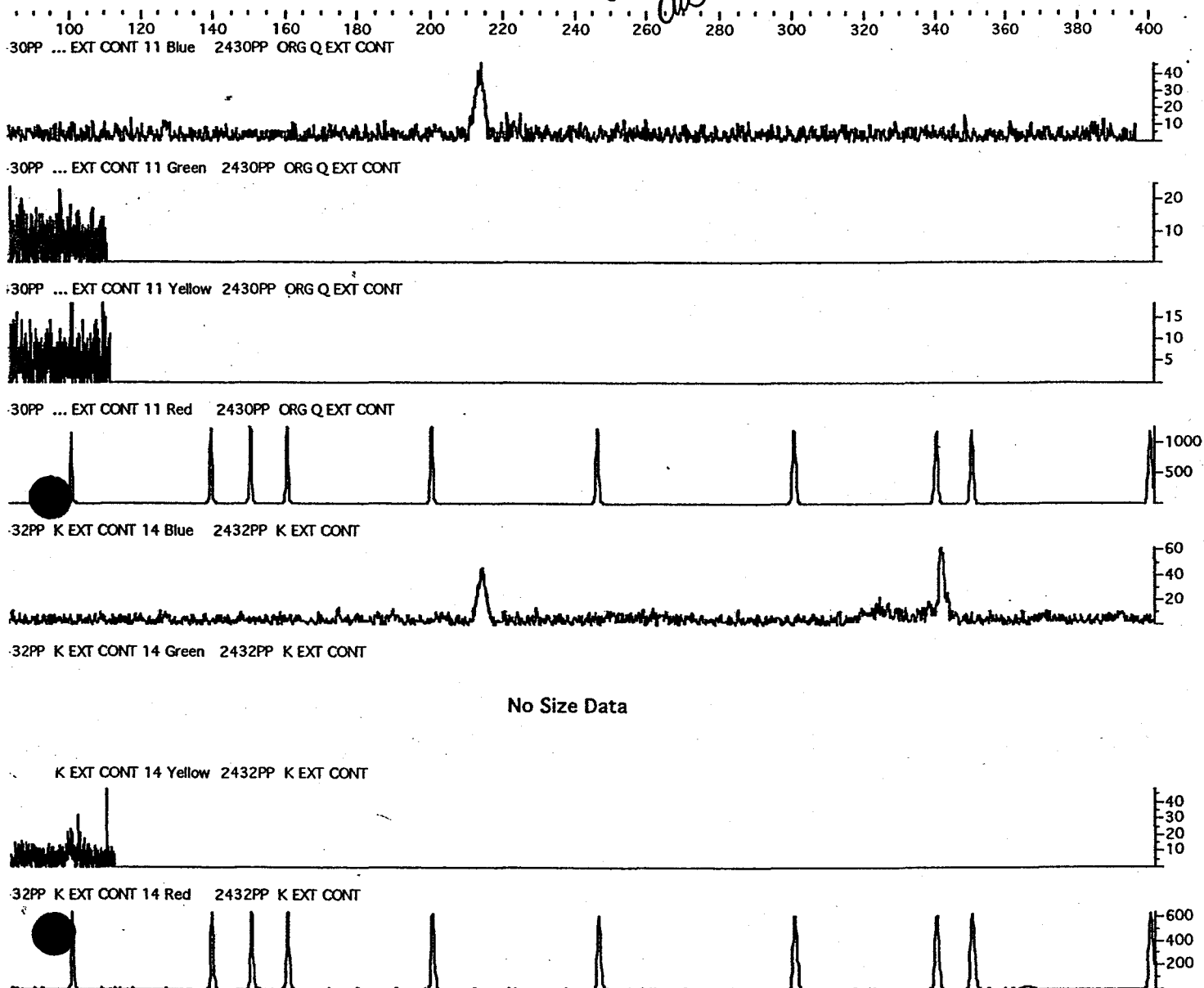


171PP ... MAGUIRK 23 Yellow 2471PP 0303340-16 P MAGUIRK



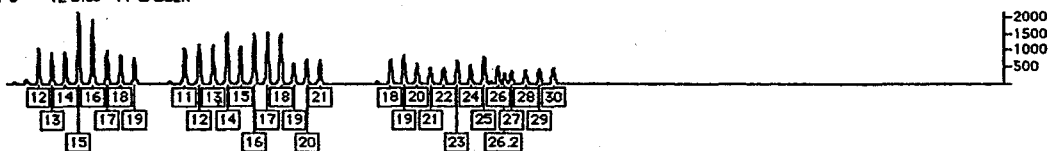
171PP ... MAGUIRK 23 Red 2471PP 0303340-16 P MAGUIRK



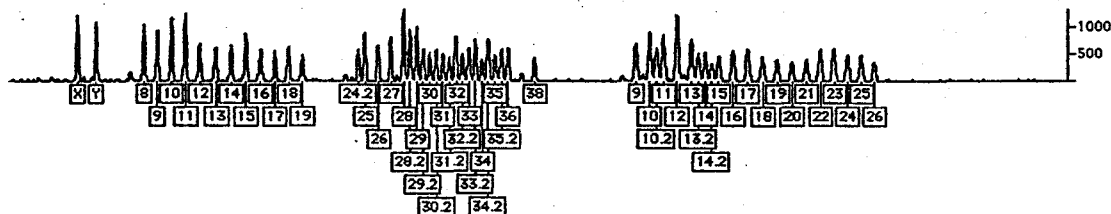




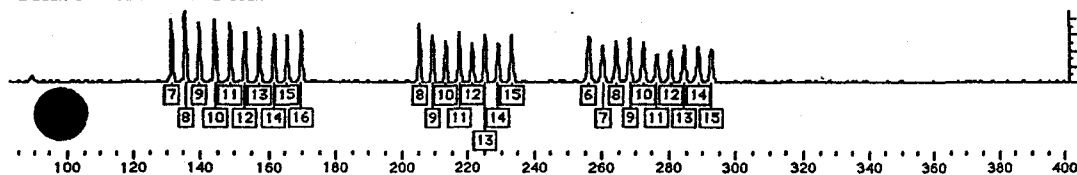
LADDER-3 12 Blue PP LADDER



LADDER-3 12 Green PP LADDER



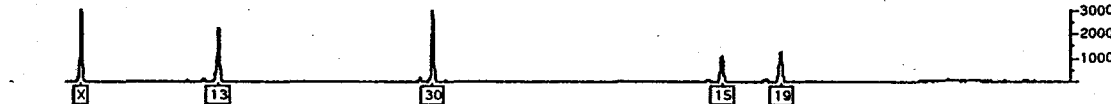
LADDER-3 12 Yellow PP LADDER



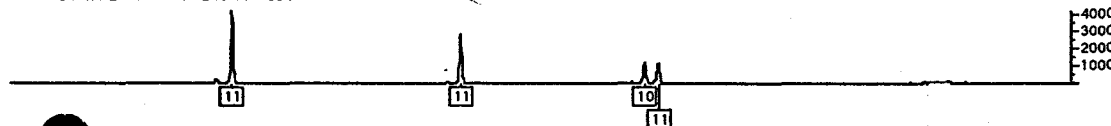
167PP 9947A-2 7 Blue 2467PP 9947A



167PP 9947A-2 7 Green 2467PP 9947A



167PP 9947A-2 7 Yellow 2467PP 9947A



167PP 9947A-2 7 Red 2467PP 9947A



LADDER-3 12 Red PP LADDER



168PP _MP CONT-2 25 Blue 2468PP NEG AMP CONT

No Size Data

168PP _MP CONT-2 25 Green 2468PP NEG AMP CONT

No Size Data

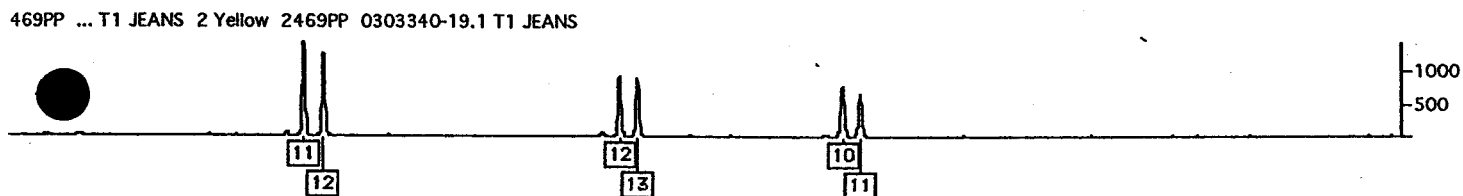
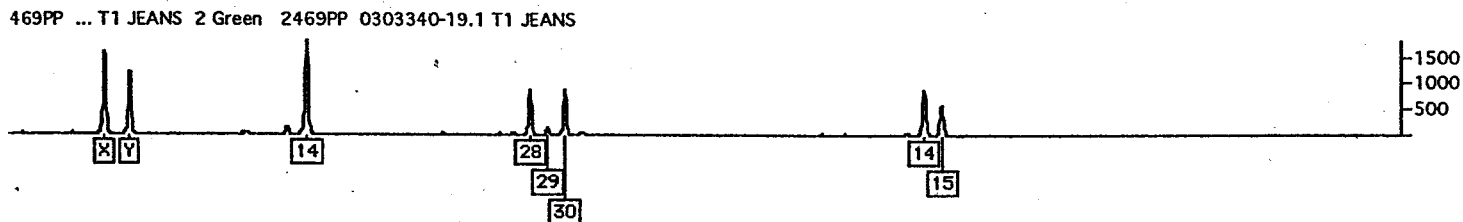
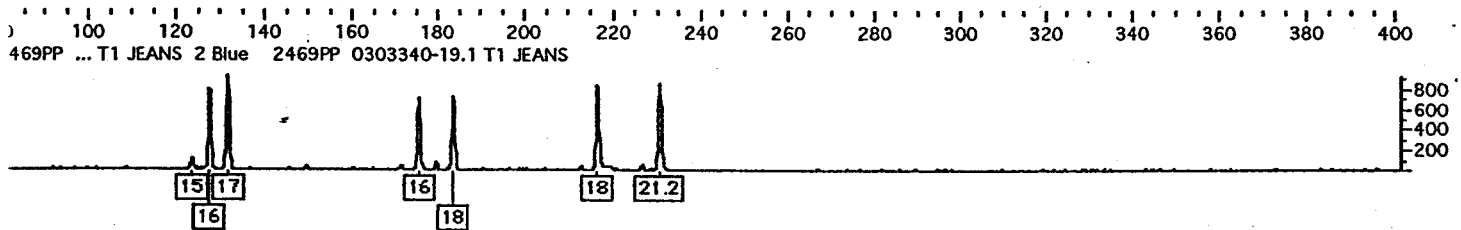
168PP _MP CONT-2 25 Yellow 2468PP NEG AMP CONT

No Size Data

168PP _MP CONT-2 25 Red 2468PP NEG AMP CONT



Tube & Sample Name	Module	Inj. Secs	Inj. kV	Run kV	Run °C	Run Time	Matrix file	Auto Anlz
PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A1 - 2469PP 0303340-19.1 T1 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A3 - 2436PP 0303339-19.1 SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A5 - 2437PP 0303339-19.2 T2 SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A7 - 2438PP 0303339-19.2 T SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A9 - 2439PP 0303339-22.7 DRAWER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A11 - 2440PP 0303339-22.8 GARAGE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B2 - 2441PP 0303339-24.1 DISHWASHER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B4 - 2442PP 0303339-25.8 STEER WHEEL	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B6 - 2443PP 0303339-25.19 SEAT BELT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F10 - 2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F12 - 2468PP-NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B8 - 2444PP 0303339-32 KNIFE BLADE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B10 - 2445PP 0303339-33 17A TILE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B12 - 2446PP 0303339-27T1 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C1 - 2447PP 0303339-27T2 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C3 - 2448PP 0303339-27T3 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C5 - 2449PP 0303339-27T4 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C7 - 2450PP 0303339-27T5 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C9 - 2451PP 0303339-30T1 JEAN POCKET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C11 - 2452PP 0303339-30T2 JEAN POCKET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D2 - 2453PP 0303339-30T3 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D4 - 2454PP 0303339-30T4 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D6 - 2455PP 0303339-30T6 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D8 - 2456PP -3-3339-20 PAT SYREN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D10 - 2457PP 0303339-21 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D12 - 2430PP-ORG Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E1 - 2431PP CLX EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E3 - 2432PP K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E5 - 2459PP 0305330-1.1 EC VAG	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E7 - 2460PP 0305330-1.1 SP VAG	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E9 - 2461PP 0305330-1.4 A FREEMAN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E11 - 2462PP 0305330-8 J SIMS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F2 - 2463PP 0305136-7 EC SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F4 - 2464PP 0305136-7 SP SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F6 - 2465PP 0305136-8.9 E BAXLEY	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F8 - 2466PP 0305136-9 A TIGNOR	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F10 - 2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F12 - 2468PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H4 - 2479PP EC1 EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H8 - 2481PP SP EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off



430PP ... EXT CONT 30 Blue 2430PP ORG Q EXT CONT

No Size Data

430PP ... EXT CONT 30 Green 2430PP ORG Q EXT CONT

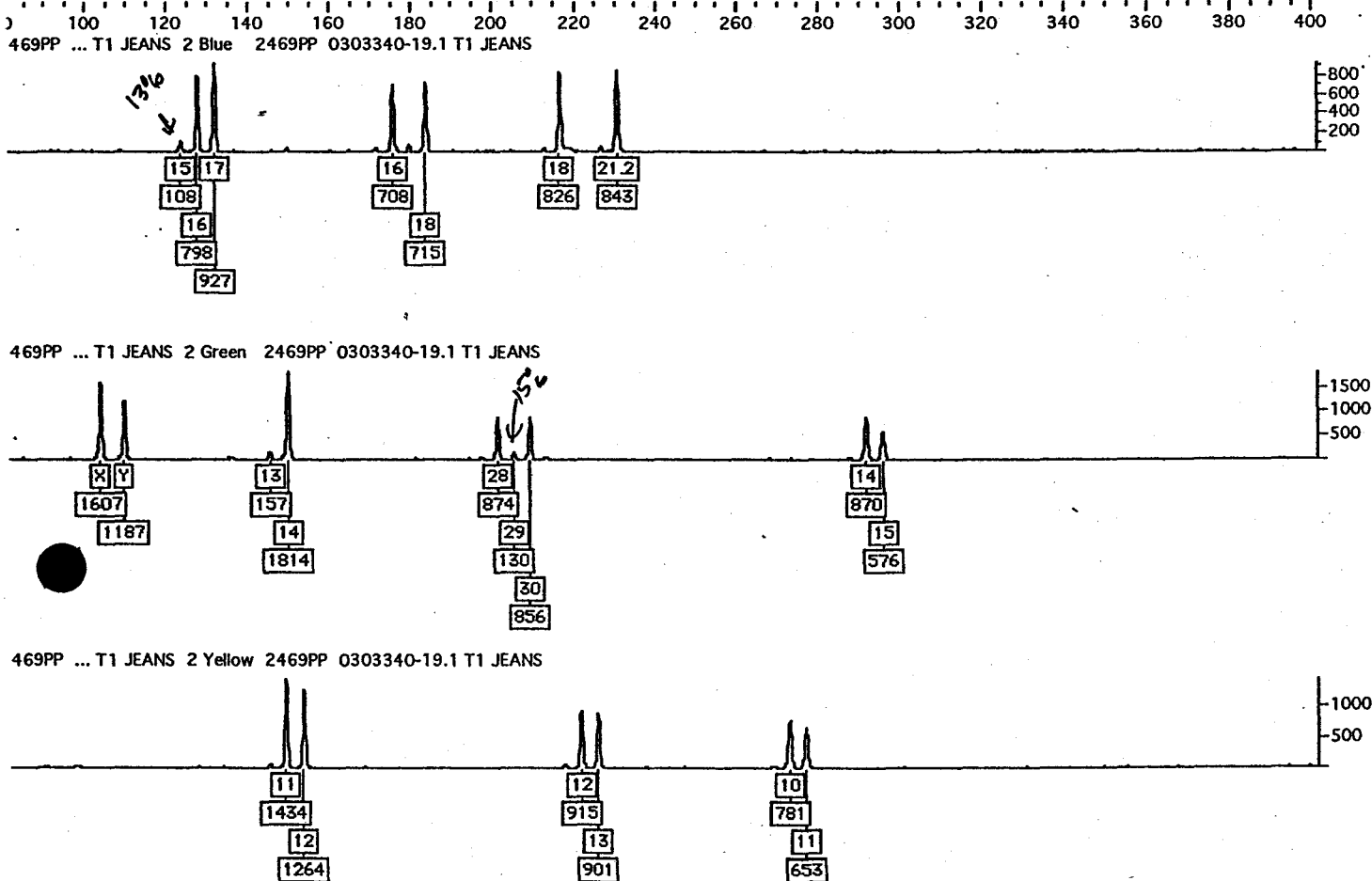
No Size Data

430PP ... EXT CONT 30 Yellow 2430PP ORG Q EXT CONT

No Size Data

430PP ... EXT CONT 30 Red 2430PP ORG Q EXT CONT





Description: One sealed manila envelop containing fingernail cuttings from left hand.

Disposition: In Lab Quantity: 1 UOM: Envelop Add Sub-Item
 0304110040 N E N Fort Worth P.D. Deceased Body LAURA MARTINEZ 06/02/2003 13:54

Description: One sealed manila envelop containing paper type tissues recovered from the left side of the body.

Disposition: In Lab Quantity: 1 UOM: Envelop Add Sub-Item
 12 0304110041 N E N Fort Worth P.D. Deceased Body LAURA MARTINEZ 06/02/2003 13:54

Description: One sealed manila envelop containing paper type tissue recovered from right side of body.

Disposition: In Lab Quantity: 1 UOM: Envelop Add Sub-Item
 13 030411059 N E N Medical Examiners Nizam Peerwani Joyce Ho 04/14/2003 08:09

Description: Blood - Pericardium

Disposition: Morgue Quantity: 30 UOM: Milliliters Add Sub-Item
 14 030411060 N E N Medical Examiners Nizam Peerwani Joyce Ho 04/14/2003 08:09

Description: Blood - Femoral

Disposition: Morgue Quantity: 2 UOM: Milliliters Add Sub-Item
 15 030411061 N E N Medical Examiners Nizam Peerwani Morgue Temporary Storage 04/09/2003 15:30

Description: Fingerprints & Palmprints

Disposition: Morgue Quantity: 1 UOM: Envelop Add Sub-Item
 16 030411062 N E N Medical Examiners Nizam Peerwani Morgue Temporary Storage 04/09/2003 15:30

Description: Blood Card

Disposition: Morgue Quantity: 1 UOM: Envelop Add Sub-Item
 17 030411063 N E N Medical Examiners Nizam Peerwani Morgue Temporary Storage 04/09/2003 15:30

Description: Tissues in Formalin

Disposition: Morgue Quantity: 1 UOM: Plastic Bag Add Sub-Item
 030411064 N E N Medical Examiners Nizam Peerwani Elizabeth Van-Munchratz 04/14/2003 13:38

Description: Criminalistic Evidence

Disposition: Morgue Quantity: 10 UOM: Envelop Add Sub-Item
 18.1 030411073 N E Y Medical Examiners Nizam Peerwani Elizabeth Van-Munchratz 04/14/2003 13:38

Description: Vaginal Smear

Disposition: Morgue Quantity: 1 UOM: Envelop Add Sub-Item
 18.2 030411074 N E Y Medical Examiners Nizam Peerwani Elizabeth Van-Munchratz 04/14/2003 13:38

Description: Oral Smear

Disposition: Morgue Quantity: 1 UOM: Envelop Add Sub-Item
 18.3 030411075 N E Y Medical Examiners Nizam Peerwani Elizabeth Van-Munchratz 04/14/2003 13:38

Description: Anal Smear

Disposition: Morgue Quantity: 1 UOM: Envelop Add Sub-Item
 18.4 030411076 N E Y Medical Examiners Nizam Peerwani Elizabeth Van-Munchratz 04/14/2003 13:38

Description: Vaginal Swabs

Disposition: Morgue Quantity: 6 UOM: Envelop Add Sub-Item
 18.5 030411077 N E Y Medical Examiners Nizam Peerwani Elizabeth Van-Munchratz 04/14/2003 13:38

03033
u

0303340
CW

Description: Anal Swabs

Disposition: Morgue Quantity: 4 UOM: Envelop Add Sub-Item
030411079 N E Y Medical Examiners Nizam Peerwani Elizabeth Van-Munchratz 04/14/2003 13:38

Description: Per-anal Swabs

Disposition: Morgue Quantity: 2 UOM: Envelop Add Sub-Item
030411080 N E Y Medical Examiners Nizam Peerwani Elizabeth Van-Munchratz 04/14/2003 13:38

Description: Pulled Scalp Hair

Disposition: Morgue Quantity: 1 UOM: Envelop Add Sub-Item
030411081 N E Y Medical Examiners Nizam Peerwani Elizabeth Van-Munchratz 04/14/2003 13:38

Description: Combed Pubic Hair

Disposition: Morgue Quantity: 1 UOM: Envelop Add Sub-Item
030411082 N E Y Medical Examiners Nizam Peerwani Elizabeth Van-Munchratz 04/14/2003 13:38

Description: Pulled Scalp Hair

Disposition: Morgue Quantity: 1 UOM: Envelop Add Sub-Item
030411065 N E N Medical Examiners Nizam Peerwani Morgue Temporary Storage 04/09/2003 15:30

Description: Clothing

Disposition: Morgue Quantity: 7 UOM: Envelop Add Sub-Item
030411066 Y E Y Medical Examiners Nizam Peerwani Carolyn Van Winkle 06/26/2003 14:28

Description: Blue Jeans

Disposition: Morgue Quantity: 1 UOM: Envelop Add Sub-Item
030411067 Y E Y Medical Examiners Nizam Peerwani Morgue Temporary Storage 04/11/2003 15:30

Description: White bloody bra

Disposition: Morgue Quantity: 1 UOM: paper bag Add Sub-Item
030411068 Y E Y Medical Examiners Nizam Peerwani Carolyn Van Winkle 06/26/2003 14:28

Description: White bloody T-shirt

Disposition: Morgue Quantity: 1 UOM: paper bag Add Sub-Item
030411069 Y E Y Medical Examiners Nizam Peerwani Morgue Temporary Storage 04/11/2003 15:30

Description: Tan panties

Disposition: Morgue Quantity: 1 UOM: paper bag Add Sub-Item
030411070 Y E Y Medical Examiners Nizam Peerwani Morgue Temporary Storage 04/11/2003 15:30

Description: Pair of Tan Bloody shoes

Disposition: Morgue Quantity: 2 UOM: paper bag Add Sub-Item
030411071 Y E Y Medical Examiners Nizam Peerwani Morgue Temporary Storage 04/11/2003 15:30

Description: Left blood stained tennis shoes

Disposition: Morgue Quantity: 1 UOM: paper bag Add Sub-Item
030411072 Y E Y Medical Examiners Nizam Peerwani Morgue Temporary Storage 04/11/2003 15:30

Description: Light blue Nighties - bloody

Disposition: Morgue Quantity: 1 UOM: paper bag Add Sub-Item
030414051 N E N TCME DR PEERWANI LAURA MARTINEZ 04/14/2003 13:55

Description: BLOOD-EDTA

Disposition: Morgue

Quantity: 1

UOM: Container

Add Sub-Item

030324
aw

CASE CONVERSATION LOG

CL# 030 3339

Employee Initials: cuw Date: 15 July 03
 Conversation with: Michele Hartmann Time: -
 Affiliation: TCDA ☒ Telephone ☐ In Person
 Call Initiated by: MH Phone #: _____
 Conversation Re:
 - DF expert - Identigen
 - Requesting photograph of inside pocket (430)

Employee Initials: cuw Date: 24 July 03 (x2)
 Conversation with: Michele Hartmann Time: ~ 1145 & 1230
 Affiliation: TCDA ☐ Telephone ☐ In Person
 Call Initiated by: MH → cuw → MH → cuw Phone #: _____
 Conversation Re:
 - Verbal on DNA results fax 817-884-3333
 - requesting report by Aug 4 (Monday)
 fax report

Employee Initials: _____ Date: _____
 Conversation with: _____ Time: _____
 Affiliation: _____ ☐ Telephone ☐ In Person
 Call Initiated by: _____ Phone #: _____
 Conversation Re: _____

CASE CONVERSATION LOG

CL# 0303339 *um*
vict Kretsingers(2)

Employee Initials: <u>CYP</u>	Date: <u>6-18-03</u>
Conversation with: <u>Greg Muller</u>	Time: <u>1145</u>
Affiliation: <u>TCOA</u>	<input checked="" type="checkbox"/> Telephone <input type="checkbox"/> In Person
Call Initiated by: <u>PA</u>	Phone #: <u>817-1695</u>
Conversation Re: <u>Requests on it on stairs - (v)'s clothing (pants) & garage</u>	
<p>Will have Det McCaskill bring samples.</p> <p>- Request copies of any FWPD lab reports / case notes</p> <p>Prosecutors will be Michelle Hartman & Lisa Callahan</p> <p>Defense: Bill Ray</p> <p>Trial date Aug 18, 2003</p>	

Employee Initials: <u>CW</u>	Date: <u>24 June 03</u>
Conversation with: <u>Michelle Hartman</u>	Time: <u>1630</u>
Affiliation: <u>TCOA</u>	<input type="checkbox"/> Telephone <input type="checkbox"/> In Person
Call Initiated by: <u>MH</u>	Phone #: _____
Conversation Re:	
<p>- Will have J. McCaskill bring clothing/suabs (susp from dumpster) DNA blood & neck area</p> <p>to examine here</p> <p>- meet @ 1400 tomorrow</p> <p>- Get photos re: drops on old clothing</p>	

Employee Initials: <u>CW</u>	Date: <u>7 July 03</u>
Conversation with: <u>Det McCaskill</u>	Time: <u>1750</u>
Affiliation: <u>FWPD</u>	<input type="checkbox"/> Telephone <input type="checkbox"/> In Person
Call Initiated by: <u>CW</u>	Phone #: _____
Conversation Re:	
<p>- Det will bring tiles 15, 14, 17A & 17B for exam of blood drops.</p>	

STR TECHNICAL PEER REVIEW

Date of Completion: 23 July 03 Crime Lab #: 0303339/0303340Primary Analyst: CW Reviewer: CWP

	YES	NO*	N/A	
STR DATA ANALYSIS REVIEW				
1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have the GeneScan data been re-analyzed including the GS-500 ROX range and 250 peak?
2.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have the GenoTyper data been re-analyzed?
3.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has the typing obtained from the positive control been confirmed?
4.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have the results from the negative controls been confirmed?
SUPPORTING DOCUMENTATION				
5.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are the case number and analyst's initials on all pages?
6.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are all worksheets and the reagent logs present and complete?
7.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are the GeneScan and GenoTyper data sheets present?
8.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has the data transcription been reviewed from the STR results table and the CODIS specimen entry forms if applicable?
RESULTS and CONCLUSIONS				
9.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were conclusions fully supported by the data?
10.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	When offered, was the frequency data fully supported by the data?
DISPOSITION				
11.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Was the disposition of the evidence/stain included?

*Comments Required: _____

All data pertaining to this laboratory report was reviewed and the interpretation of this data was agreed upon.

Signature of technical peer reviewer: Constance Patton Date: 7-29-03

Statistics Report

Database: f:\Popstats\Popdata\FBI\STR

Case Type: Forensic Single Sample

Specimen ID: 0303339 - 22.7

DNA Analyst: cwinkle

Date: August 13, 2003

Page: 1

Probe	Allele +/-		CAU	Allele Frequency		
	Allele	Minimum Maximum		BLK	SWH	
D3S1358	16		2.3150E-01	3.0710E-01	2.6560E-01	
D3S1358	17		2.1180E-01	2.0000E-01	1.2680E-01	
vWA	16		2.0150E-01	2.6940E-01	3.5960E-01	
vWA	18		2.2190E-01	1.3610E-01	1.9460E-01	
FGA	18		3.0600E-02	1.3900E-02	1.2300E-02	
FGA	21.2		1.2800E-02	1.3900E-02	1.2300E-02	
D8S1179	14		2.0150E-01	3.3330E-01	2.4630E-01	
D21S11	28		1.6580E-01	2.1510E-01	6.9000E-02	
D21S11	30		2.3210E-01	1.7880E-01	3.3010E-01	
D18S51	14		1.7350E-01	6.3900E-02	1.7000E-01	
D18S51	15		1.2760E-01	1.6670E-01	1.3790E-01	
D5S818	11		4.1030E-01	2.6110E-01	4.2120E-01	
D5S818	12		3.5390E-01	3.5560E-01	2.9060E-01	
D13S317	12		3.0870E-01	4.8320E-01	2.1680E-01	
D13S317	13		1.0970E-01	1.2570E-01	1.3790E-01	
D7S820	10	Maximum	2.9060E-01	3.2380E-01	3.0620E-01	
D7S820	11		2.0200E-01	2.2380E-01	2.8950E-01	

NRC 96 Formula used

CAU frequency = 1 in 438,200,000,000

BLK frequency = 1 in 473,300,000,000

SWH frequency = 1 in 1,012,000,000,000

STR TYPING RESULTS

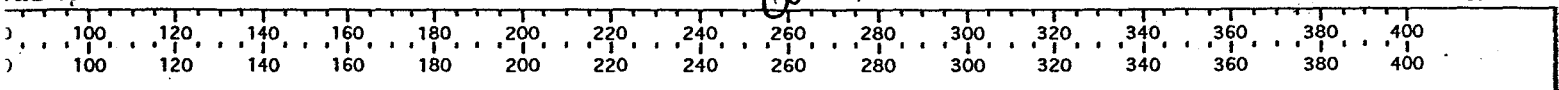
Crime Lab #s: 0303340
 Analyst: CW
 Date: 23 July 03

Cofiler Alleles Detected:

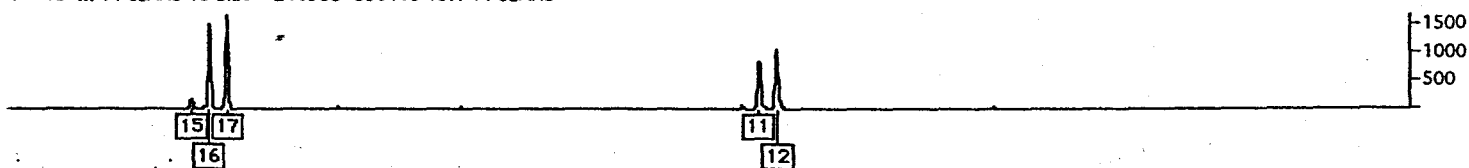
Sample Information	D3S1358	D16S539	Amel	TH01	TPOX	CSF1PO	D7S820	Comments
2469 19.1T. jeans	16,17	11,12	x4	6,9.3	8	10	10,11	
	(15)							
2471 16 P. Magouirk	15	11,12	x	6,8	8,11	12	10	
2430/2432 Ext Cont	-	-	-	-	-	-	-	
2467 9947A	14,15	11,12	x	8,9.3	8	10,12	10,11	
2468 Neg Amp	-	-	-	-	-	-	-	

() Possible Stutter

Tube & Sample Name	Module	Inj. Secs	Inj. kV	Run kV	Run °C	Run Time
G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C7 - 2430CO -Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C11 - 2432CO -K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D10 - 2456CO 0303339-20 PAT SYREN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D12 - 2457CO 0303339-21 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
F8 - 2467CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
F10 - 2468CO NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E1 - 2460CO 0305330-1.1 VAG SP	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
● - 2461CO 0305330-1.4 A FREEMAN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E5 - 2462CO 0305330-8 JAMES SIMS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E7 - 2463CO 0305136-7 EC SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E9 - 2464CO 0305136-7 SP SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
F8 - 2467CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E11 - 2465CO 0305136-8.9 E BAXLEY	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
F2 - 2466CO 0305136-9 A TIGNOR	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
33 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
● F4 - 2469CO 030440-19.1 T1 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
● F6 - 2471CO 030440-16 P MAGUIRK	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
F8 - 2467CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
F10 - 2468CO NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
● 12 - 2479CO EC EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
G1 - 2481CO SP EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25



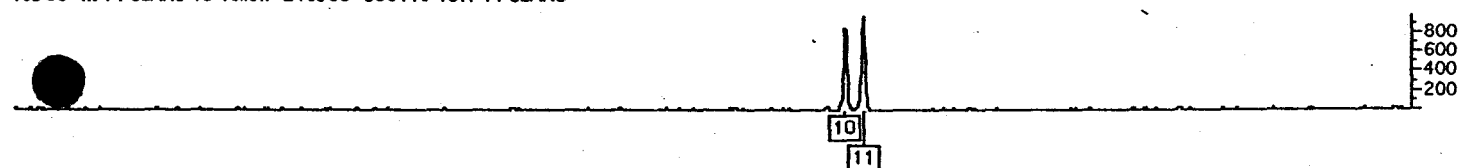
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469CO ... T1 JEANS 19 Green 2469CO 030440-19.1 T1 JEANS



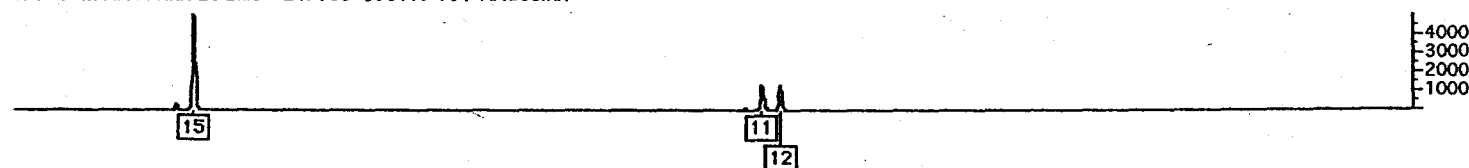
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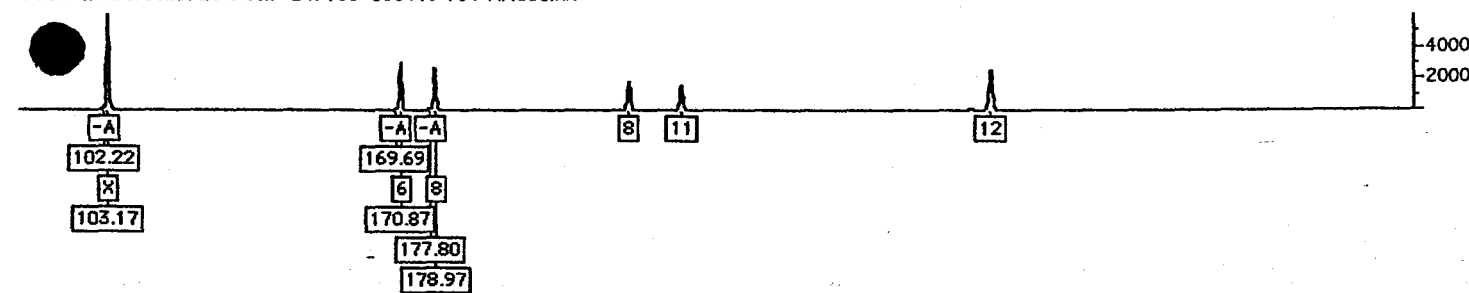
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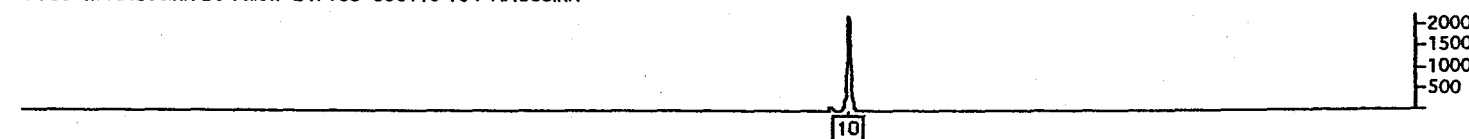
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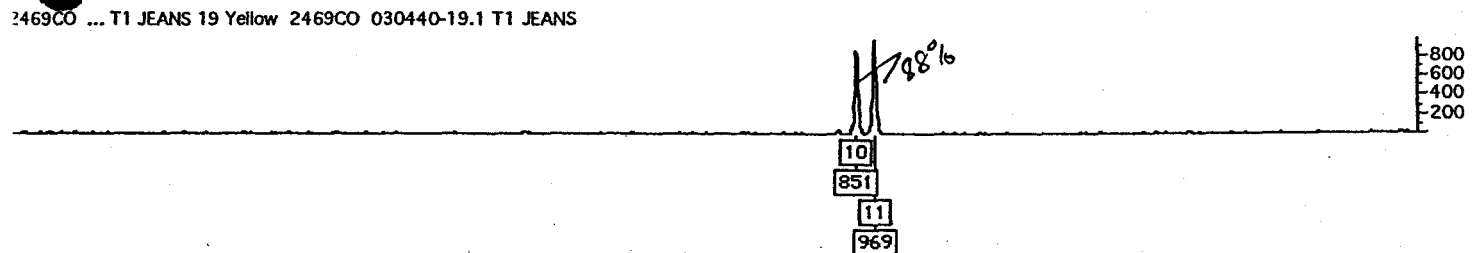
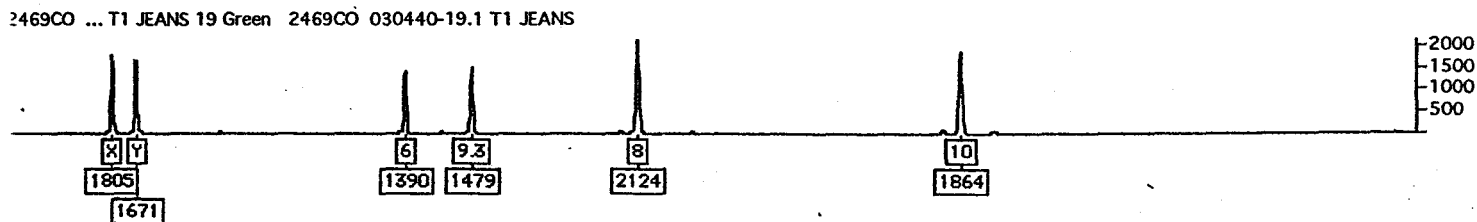
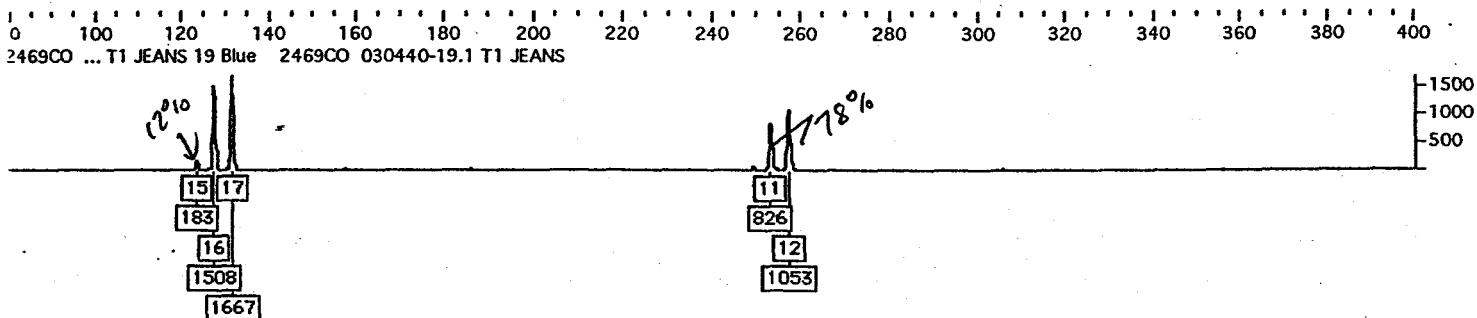


471CO ... MAGOUIRK 20 Yellow 2471CO 030440-16 P MAGOUIRK



471CO ... MAGOUIRK 20 Red 2471CO 030440-16 P MAGOUIRK





0 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400
2430CO Q EXT CONT 3 Blue 2430CO Q EXT CONT

No Size Data

2430CO Q EXT CONT 3 Green 2430CO Q EXT CONT

No Size Data

2430CO Q EXT CONT 3 Yellow 2430CO Q EXT CONT



2430CO Q EXT CONT 3 Red 2430CO Q EXT CONT



2432CO K EXT CONT 4 Blue 2432CO K EXT CONT

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No Size Data

2432CO K EXT CONT 4 Yellow 2432CO K EXT CONT



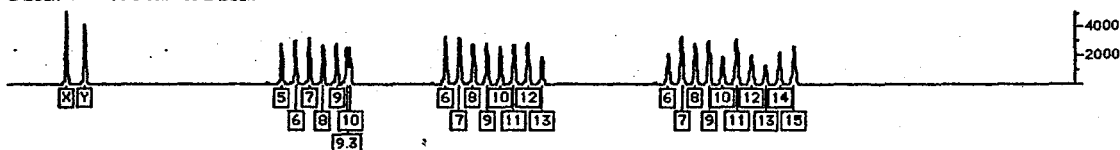
2432CO K EXT CONT 4 Red 2432CO K EXT CONT



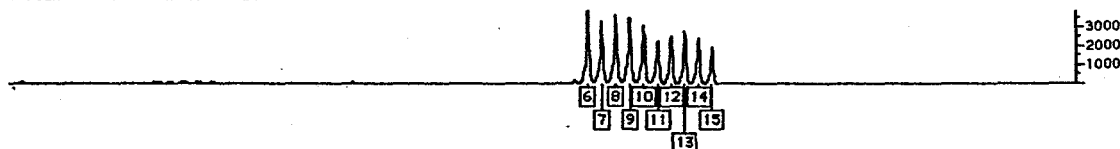
LADDER-4 18 Blue CO LADDER



LADDER-4 18 Green CO LADDER



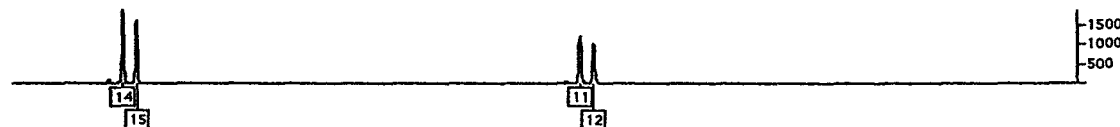
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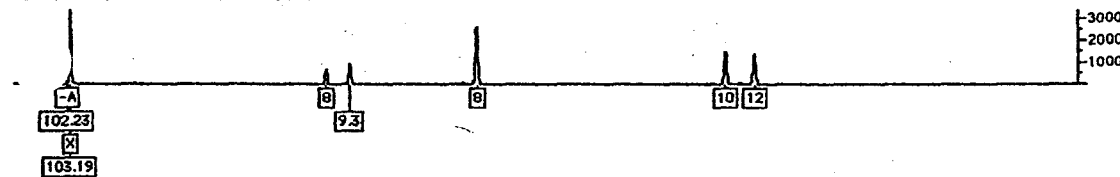
LADDER-4 18 Red CO LADDER



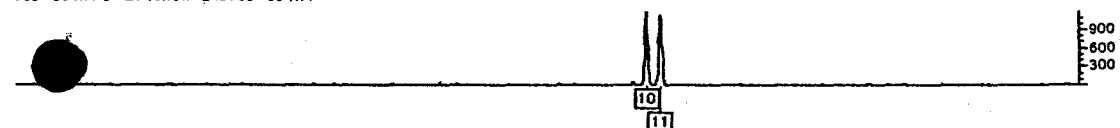
7CO 9947A-3 21 Blue 2467CO 9947A



7CO 9947A-3 21 Green 2467CO 9947A



7CO 9947A-3 21 Yellow 2467CO 9947A



7CO 9947A-3 21 Red 2467CO 9947A



3CO AMP CONT-2 22 Blue 2468CO NEG AMP CONT

No Size Data

3CO AMP CONT-2 22 Green 2468CO NEG AMP CONT

No Size Data

3CO AMP CONT-2 22 Yellow 2468CO NEG AMP CONT

No Size Data

3CO AMP CONT-2 22 Red 2468CO NEG AMP CONT



CASE CONVERSATION LOG

CL# 0303335

Employee Initials: CW Date: 25 Aug 03
 Conversation with: Michele Hartmann Time: ~1200
 Affiliation: TCOA ☒ Telephone ☐ In Person
 Call Initiated by: MH Phone #: 2663
 Conversation Re:

- ? whether arrest bad/illegal
- Judge has not ruled
- May get new sw. & swabs for DNA
- McCasill will bring this week
- has NOT submitted sex ass evidence yet

Employee Initials: CW Date: 4 Sept 03
 Conversation with: _____ Time: ~1400
 Affiliation: TCOA ☐ Telephone ☐ In Person
 Call Initiated by: _____ Phone #: 2663
 Conversation Re:

- ? reporting # 52 / insert in orig report
- copies for df when complete
- SAIKs

Employee Initials: CW Date: 19 Sept 03
 Conversation with: Jim Rizz & Lisa Callaghan Time: ~1400 (X2)
 Affiliation: TCOA ☐ Telephone ☐ In Person
 Call Initiated by: JR Phone #: _____
 Conversation Re: page # 817-418-5675

- Copy coin env. retained
- Autopsy clothing both victims
- still @ ME

8/8/03

- Michele Hartmann
sect Linda

ext. 2663 test.

- ab attn Bill Ray
Tim Moore

week of
22 Sept

- copy lab notes ✓

- get CD from harry

(burn 3) ✓

- Jim Rizy pick up ✓

- meeting dates

CL# 0303339 *ven*
Vict Kretzingers (2)

Employee Initials: Cyp Date: 6-18-03
 Conversation with: Greg Muller Time: 1145
 Affiliation: TCOA ☒ Telephone ☐ In Person
 Call Initiated by: DA Phone #: 817-1645
 Conversation Re: Requests on 4 on stairs - (v)'s clothing (pants)

We'll have Det McCaskill bring samples.
- Request copies of any FWPD lab reports / case notes
Prosecutors will be Michelle Hartmann & Lisa Callahan
Defense: Bill Ray
Trial date Aug 18, 2003

Employee Initials: CW Date: 24 June 03
 Conversation with: Michelle Hartman Time: 1630
 Affiliation: TCOA ☐ Telephone ☐ In Person
 Call Initiated by: MH Phone #: _____
 Conversation Re:

- Will have J. McCaskill bring clothing / swabs
to examine here *(susp from dumpster)*
- meet @ 1400 tomorrow
- Get photos re: drops on old clothing
DNA blood & neck area

Employee Initials: CW Date: 7 July 03
 Conversation with: Det McCaskill Time: 1750
 Affiliation: FWPD ☐ Telephone ☐ In Person
 Call Initiated by: CW Phone #: _____
 Conversation Re:

- Det will bring tiles 15, 16, 17A & 17B
for exam of blood drops.

TRANSACTION REPORT

JUL-30-03 WED 1:45 PM

FOR: TARRANT COUNTY M E 8179205719

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE
JUL-30	1:39 PM	98178843333	5'30"	6	SEND	OK



FORT WORTH POLICE DEPARTMENT

FORENSIC SCIENCE LABORATORY

350 WEST BELKNAP STREET
FORT WORTH, TEXAS 76102-2004
(817) 877-8084
FAX (817) 877-8208

0303339
0303340
uw

EVIDENCE RELEASE AND RECEIPT FORM

LAB NUMBER: 0302077 SL SERVICE NUMBER: 03038339

Victim Name: 1) Pat Syren
2) Pearl Maguire Type of Offense: Cap Murder

Suspect Name: _____ Date of Offense: 4/8/03

Bill To: TCDA Invoice Number: _____

Contact Person: _____ Phone Number: _____

DESCRIPTION OF EVIDENCE: _____

See attached list

SPECIAL INSTRUCTIONS OR REQUESTS: _____

Sent at the request of Det. McCaskill

DATE	TIME	RELEASED BY	RECEIVED BY
<u>8-28-03</u>	<u>0908</u>	<u>Sunday Lopez</u> PRINT NAME / TITLE	<u>John McCaskill / Det.</u> PRINT NAME / TITLE
_____	_____	<u>S. Lopez</u> SIGNATURE	<u>John McCaskill</u> SIGNATURE
_____	_____	PRINT NAME / TITLE	PRINT NAME / TITLE
_____	_____	SIGNATURE	SIGNATURE

LAB # 03038339
SERVICE # 03038339

0303339
0303340
uw

1. Items belonging to Pearl Maguire:

- a. Vaginal Swabs and Smear
- b. Oral swabs and Smear
- c. Anal Swabs and Smear
- d. perianal Swabs
- e. Combed pubic hair
- f. pulled pubic hair
- g. pulled scalp hair

2. Items belonging to Patricia Syren

- a. Vaginal Swabs and Smear
- b. Oral Swabs and Smear
- c. anal swabs and Smear
- d. perianal Swabs
- e. Combed pubic hair
- f. pulled pubic hair
- g. pulled scalp hair

BIOLOGY TECHNICAL PEER REVIEW

Date of Completion: 8 Sept 03 Crime Lab #: 0303339

Primary Analyst: CW Reviewer: CNP

	YES	NO*	N/A	
1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	REPORT Have the requested examinations been addressed?
2.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are the results clearly communicated?
ADMINISTRATIVE REVIEW				
3.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is the report correct editorially and typographically?
4.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is the general format of the report consistent with laboratory policy?
SUPPORTING DOCUMENTATION				
5.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is the evidence adequately described?
6.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are the case number and analyst's initials on all pages?
7.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Does the documentation support the examinations conducted?
8.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is the chain of custody current and properly documented?
RESULTS and CONCLUSIONS				
9.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were standards and/or controls used and adequately documented?
10.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Do the tests performed conform to accepted techniques?
11.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were conclusions fully supported by the data?
12.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are conclusions reasonable and acceptable by peers within this discipline?

*Comments Required: _____

All data pertaining to this laboratory report was reviewed and the interpretation of this data was agreed upon.

Signature of technical peer reviewer: Constance Patton Date: 9-9-03

STR TECHNICAL PEER REVIEW

Date of Completion: 3 Sept 03 Crime Lab #: 0303339Primary Analyst: CW Reviewer: ChP

- | | YES | NO* | N/A | |
|---------------------------------|-------------------------------------|--------------------------|--------------------------|---|
| STR DATA ANALYSIS REVIEW | | | | |
| 1. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Have the GeneScan data been re-analyzed including the GS-500 ROX range and 250 peak? |
| 2. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Have the GenoTyper data been re-analyzed? |
| 3. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Has the typing obtained from the positive control been confirmed? |
| 4. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Have the results from the negative controls been confirmed? |
| SUPPORTING DOCUMENTATION | | | | |
| 5. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Are the case number and analyst's initials on all pages? |
| 6. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Are all worksheets and the reagent logs present and complete? |
| 7. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Are the GeneScan and GenoTyper data sheets present? |
| 8. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Has the data transcription been reviewed from the STR results table and the CODIS specimen entry forms if applicable? |
| RESULTS and CONCLUSIONS | | | | |
| 9. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Were conclusions fully supported by the data? |
| 10. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | When offered, was the frequency data fully supported by the data? |
| DISPOSITION | | | | |
| 11. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Was the disposition of the evidence/stain included? |

*Comments Required: _____

All data pertaining to this laboratory report was reviewed and the interpretation of this data was agreed upon.

Signature of technical peer reviewer: Christine Parker Date: 9-5-03

#0303339

Case Type: Jurisdiction

County Name: Tarrant

Created By: Curtis Clary

Status: Autopsy

Service #: 03038339

Agent:

Date/Time of Death: 04/08/2003 18:37

Race, Sex, Age: CF71

Medical Examiner: Nizam Peerwani

Autopsy Date/Time: 04/11/2003 10:30

**Next-of-Kin
Notification:**

Release Body: Yes

Associate Items

Add Money

Add Item

Exhibit #	Tracking #	Hold	E/P	Biohazard?	Submitting Agency	Submitted By	Current Custody	Date Added
1	030409001	N	B	N	NRST	Donnie Short	Robert Kincade Jr	04/14/2003 11:40
	Description:							
	Disposition: Released					Quantity: 1	UOM: Body	Add Sub-Item
2	030409003	N	P	N	Forensic Death Investigation	Curtis Clary	April Syren	05/22/2003 16:13
	Description: watch, yellow color cae with white metal stretch band							
	Disposition: Investigator Property Room					Quantity: 1	UOM: Item	Add Sub-Item
3	030409136	N	E	N	Fort Worth P.D.	Deceased Body	LAURA MARTINEZ	06/02/2003 13:58
	Description: One sealed manila envelop containing trace debris from face.							
	Disposition: In Lab					Quantity: 1	UOM: Envelop	Add Sub-Item
4	030409137	N	E	N	Fort Worth P.D.	Deceased Body	LAURA MARTINEZ	06/02/2003 13:58
	Description: One sealed manila envelop containing trace materials from right arm.							
	Disposition: In Lab					Quantity: 1	UOM: Envelop	Add Sub-Item
5	030409138	N	E	N	Fort Worth P.D.	Deceased Body	LAURA MARTINEZ	06/02/2003 13:58
	Description: One sealed manila envelop containing trace materials from right hand.							
	Disposition: In Lab					Quantity: 1	UOM: Envelop	Add Sub-Item
6	030409139	N	E	N	Fort Worth P.D.	Deceased Body	LAURA MARTINEZ	06/02/2003 13:58
	Description: One sealed manila envelop containing trace materials from right leg.							
	Disposition: In Lab					Quantity: 1	UOM: Envelop	Add Sub-Item
7	030409152	N	E	N	Fort Worth P.D.	Deceased Body	LAURA MARTINEZ	06/02/2003 13:58
	Description: one sealed manila envelop containing trace materials from left arm.							
	Disposition: In Lab					Quantity: 1	UOM: Envelop	Add Sub-Item
	030409153	N	E	N	Fort Worth P.D.	Deceased Body	LAURA MARTINEZ	06/02/2003 13:58
	Description: One sealed manila envelop containing trace materials from left hand.							
	Disposition: In Lab					Quantity: 1	UOM: Envelop	Add Sub-Item
9	030409154	N	E	N	Fort Worth P.D.	Deceased Body	LAURA MARTINEZ	06/02/2003 13:58
	Description: One sealed manila envelop containing trace materials from left leg.							

51.23
43.58
030 3339
aw

Add Sub-Item

06/02/2003
13:58

Add Sub-Item

06/02/2003
13:58

Add Sub-Item

06/02/2003
13:58

Add Sub-Item

04/15/2003
08:36

Add Sub-Item

04/15/2003
08:36

Add Sub-Item

Morgue Temporary
Storage

Add Sub-Item

Morgue Temporary
Storage

Add Sub-Item

LAURA MARTINEZ

Add Sub-Item

LAURA MARTINEZ

Add Sub-Item

LAURA MARTINEZ

Add Sub-Item

LAURA MARTINEZ

Add Sub-Item

LAURA MARTINEZ

Add Sub-Item

LAURA MARTINEZ

18.6	030411026	N	E	Y	Medical Examiners	Nizam Peerwani	LAURA MARTINEZ	04/14/2003 14:09
	Description: Oral Swabs							
	Disposition: Morgue					Quantity: 4	UOM: Envelop	Add Sub-Item
	030411027	N	E	Y	Medical Examiners	Nizam Peerwani	LAURA MARTINEZ	04/14/2003 14:09
	Description: Vaginal Swabs							
	Disposition: Morgue					Quantity: 6	UOM: Envelop	Add Sub-Item
18.8	030411028	N	E	Y	Medical Examiners	Nizam Peerwani	LAURA MARTINEZ	04/14/2003 14:09
	Description: Anal Swabs							
	Disposition: Morgue					Quantity: 4	UOM: Envelop	Add Sub-Item
18.9	030411029	N	E	Y	Medical Examiners	Nizam Peerwani	LAURA MARTINEZ	04/14/2003 14:09
	Description: Peri-Anal Swabs							
	Disposition: Morgue					Quantity: 2	UOM: Envelop	Add Sub-Item
18.10	030411030	N	E	Y	Medical Examiners	Nizam Peerwani	LAURA MARTINEZ	04/14/2003 14:09
	Description: Pulled Pubic Hair							
	Disposition: Long-term Storage					Quantity: 1	UOM: Envelop	Add Sub-Item
18.11	030411031	N	E	Y	Medical Examiners	Nizam Peerwani	LAURA MARTINEZ	04/14/2003 14:09
	Description: Combed Pubic Hair							
	Disposition: Morgue					Quantity: 1	UOM: Envelop	Add Sub-Item
18.12	030411032	N	E	Y	Medical Examiners	Nizam Peerwani	LAURA MARTINEZ	04/14/2003 14:09
	Description: Pulled Sacp Hair							
	Disposition: Morgue					Quantity: 1	UOM: Envelop	Add Sub-Item
19	030411015	N	E	N	Medical Examiners	Nizam Peerwani	Morgue Temporary Storage	04/09/2003 13:30
	Description: Clothing							
	Disposition: Morgue					Quantity: 5	UOM: Envelop	Add Sub-Item
	030411016	Y	E	Y	Medical Examiners	Nizam Peerwani	Carolyn Van Winkle	06/26/2003 14:27
	Description: Light blue Shorts (Bloody)							
	Disposition: Morgue					Quantity: 1	UOM: paper bag	Add Sub-Item
19.2	030411017	Y	E	Y	Medical Examiners	Nizam Peerwani	Carolyn Van Winkle	06/26/2003 14:27
	Description: Ray Blood T-Shirt							
	Disposition: Morgue					Quantity: 1	UOM: paper bag	Add Sub-Item
19.3	030411018	Y	E	Y	Medical Examiners	Nizam Peerwani	Morgue Temporary Storage	04/09/2003 13:30
	Description: Tan Bra (Bloody)							
	Disposition: Morgue					Quantity: 1	UOM: Envelop	Add Sub-Item
19.4	030411019	Y	E	Y	Medical Examiners	Nizam Peerwani	Morgue Temporary Storage	04/09/2003 13:30
	Description: Tan Panties (Bloody)							
	Disposition: Morgue					Quantity: 1	UOM: Envelop	Add Sub-Item
19.5	030411020	Y	E	Y	Medical Examiners	Nizam Peerwani	Morgue Temporary Storage	04/09/2003 13:30
	Description: Left White Tennis Shoe (Bloody)							
	Disposition: Morgue					Quantity: 1	UOM: Envelop	Add Sub-Item
20	030411033	N	E	N	Medical Examiners	Nizam Peerwani	Morgue Temporary Storage	04/09/2003 13:30

21 Case 03-10731 Document 87-3 Filed 11/03/17 Page 179 of 196 PageID 5125
 030626031 N E N Fort Worth P.D. John McCaskill Carolyn Van Winkle 06/26/2003 14:45
 Description: SEALED ENVELOPE C/BUCCAL SWAB KIT (FROM BILLY CRUTSINGER)
 Disposition: Evidence Room Quantity: 1 UOM: Envelop Add Sub-Item
 030626032 N E N Fort Worth P.D. John McCaskill Carolyn Van Winkle 06/26/2003 14:45
 Description: SEALED ENVELOPE C/8 APPARENT BLOOD SAMPLES & CONTROL SAMPLES (ITEMS 1-8)
 Disposition: Evidence Room Quantity: 8 UOM: Envelop Add Sub-Item
 23 030626033 N E N Fort Worth P.D. John McCaskill Carolyn Van Winkle 06/26/2003 14:45
 Description: SEALED ENVELOPE C/4 APPARENT BLOOD SAMPLES & CONTROL SAMPLE (ITEMS 11-14)
 Disposition: Evidence Room Quantity: 4 UOM: Envelop Add Sub-Item
 24 030626034 N E N Fort Worth P.D. John McCaskill Carolyn Van Winkle 06/26/2003 14:45
 Description: SEALED ENVELOPE C/2 APPARENT BLOOD SAMPLES & CONTROL SAMPLES (ITEMS 23-24)
 Disposition: Evidence Room Quantity: 2 UOM: Envelop Add Sub-Item
 25 030626035 N E N Fort Worth P.D. John McCaskill Carolyn Van Winkle 06/26/2003 14:45
 Description: SEALED SACK C/16 SWABS, ONE SAMPLE FR DRIVERS DOOR FRAME ONE CONTROL (DIST WATER), ONE SEAT BELT
 Disposition: Evidence Room Quantity: 16 UOM: paper bag Add Sub-Item
 26 030626036 N E N Fort Worth P.D. John McCaskill Carolyn Van Winkle 06/26/2003 14:45
 Description: SEALED BOX C/4 WHITE SOCKS
 Disposition: Evidence Room Quantity: 4 UOM: boxes Add Sub-Item
 27 030626037 N E N Fort Worth P.D. John McCaskill Carolyn Van Winkle 06/26/2003 14:45
 Description: SEALED BOX C/1 DENIM SHIRT
 Disposition: Evidence Room Quantity: 1 UOM: boxes Add Sub-Item
 28 030626038 N E N Fort Worth P.D. John McCaskill Carolyn Van Winkle 06/26/2003 14:45
 Description: SEALED BOX C/1 GRAY T-SHIRT
 Disposition: Evidence Room Quantity: 1 UOM: boxes Add Sub-Item
 29 030626039 N E N Fort Worth P.D. John McCaskill Carolyn Van Winkle 06/26/2003 14:45
 Description: SEALED BOX C/1 WHITE TOWEL
 Disposition: Evidence Room Quantity: 1 UOM: boxes Add Sub-Item
 30 030626040 N E N Fort Worth P.D. John McCaskill Carolyn Van Winkle 06/26/2003 14:45
 Description: SEALED BOX C/1 CUT-OFF BLUE JEANS
 Disposition: Evidence Room Quantity: 1 UOM: boxes Add Sub-Item
 31 030626041 N E N Fort Worth P.D. John McCaskill Carolyn Van Winkle 06/26/2003 14:45
 Description: SEALED BOX C/2 DEMIN CUTTING
 Disposition: Evidence Room Quantity: 2 UOM: boxes Add Sub-Item
 32 030626042 N E N Fort Worth P.D. John McCaskill Carolyn Van Winkle 06/26/2003 14:45
 Description: SEALED ENVELOPE C/ONE KNIFE BLADE
 Disposition: Evidence Room Quantity: 1 UOM: Envelop Add Sub-Item

Statistics Report

Database: f:\Popstats\Popdata\FBI\STR

Case Type: Forensic Mixture

Specimen ID: 0303339-30T1 JEAN POCKET

DNA Analyst: cvwinkle

Date: July 23, 2003

Page: 1

Probe	Allele +/-		Allele Frequency			
	Allele	Minimum	Maximum	CAU	BLK	SEH
D3S1358	14			1.4040E-01	1.2140E-01	8.3800E-02
D3S1358	15			2.4630E-01	2.9050E-01	3.5340E-01
D3S1358	16			2.3150E-01	3.0710E-01	2.4610E-01
D3S1358	17			2.1180E-01	2.0000E-01	1.6230E-01
VWA	14			1.0200E-01	6.6700E-02	6.8800E-02
VWA	16			2.0150E-01	2.6940E-01	2.6880E-01
VWA	17			2.6280E-01	1.8330E-01	3.0420E-01
VWA	18			2.2190E-01	1.3610E-01	1.8750E-01
FGA	18			3.0600E-02	1.3900E-02	1.3100E-02
FGA	21			1.7350E-01	1.2500E-01	1.3610E-01
FGA	21.2			1.2800E-02	1.3900E-02	1.3100E-02
FGA	23			1.5820E-01	1.2500E-01	1.4920E-01
FGA	24			1.3780E-01	1.8610E-01	1.4660E-01
D8S1179	12			1.4540E-01	1.0830E-01	1.0730E-01
D8S1179	13			3.3930E-01	2.2220E-01	3.5600E-01
D8S1179	14			2.0150E-01	3.3330E-01	2.1200E-01
D21S11	28			1.6580E-01	2.1510E-01	1.2570E-01
D21S11	29			1.8110E-01	1.8990E-01	2.4080E-01
D21S11	30			2.3210E-01	1.7880E-01	2.3820E-01
D21S11	32.2			1.1220E-01	6.9800E-02	1.1520E-01
D5S818	11			4.1030E-01	2.6110E-01	3.9380E-01
D5S818	12			3.5390E-01	3.5560E-01	3.1670E-01
D13S317	11			3.1890E-01	2.3740E-01	3.0630E-01
D13S317	12			3.0870E-01	4.8320E-01	2.2920E-01
D13S317	13			1.0970E-01	1.2570E-01	1.0830E-01
D7S820	10			2.9060E-01	3.2380E-01	2.6670E-01
D7S820	11			2.0200E-01	2.2380E-01	2.2710E-01
CSF1PO	10			2.5370E-01	2.7140E-01	2.5420E-01
CSF1PO	11			3.0050E-01	2.0480E-01	2.9580E-01
CSF1PO	12			3.2510E-01	3.0000E-01	3.5630E-01
TPOX	8			5.4430E-01	3.6840E-01	5.0630E-01
TPOX	11			2.5370E-01	2.2490E-01	2.7710E-01
TH01	6			2.2660E-01	1.0950E-01	2.1250E-01
TH01	8			1.2560E-01	1.8570E-01	1.0420E-01
TH01	9.3			3.0540E-01	1.0480E-01	2.3540E-01
D16S539	11			2.7230E-01	2.9430E-01	2.8130E-01
D16S539	12			3.3910E-01	1.8660E-01	2.5420E-01

SWH

7.9000E-02

4.2580E-01

2.6560E-01

1.2680E-01

6.1600E-02

3.5960E-01

2.2170E-01
1.9460E-01
1.2300E-02
1.3050E-01
1.2300E-02
1.4040E-01
1.2560E-01
1.2070E-01
3.2510E-01
2.4630E-01
6.9000E-02
2.0440E-01
3.3010E-01
1.3550E-01
4.2120E-01
2.9060E-01
2.0200E-01
2.1680E-01
1.3790E-01
3.0620E-01
2.8950E-01
2.5360E-01
2.6560E-01
3.9230E-01
5.5500E-01
2.7270E-01
2.3210E-01
8.1300E-02
2.4160E-01
3.1490E-01
2.8610E-01

The Mixture Formula used.

CAU frequency = 1 in 6,439
BLK frequency = 1 in 106,100
SEH frequency = 1 in 18,240
SWH frequency = 1 in 10,820

Statistics Report

Database: f:\Popstats\Popdata\FBI\STR

Case Type: Forensic Mixture

Specimen ID: 0303339-27T4 SHIRT

DNA Analyst: cvwinkle

Date: July 23, 2003

Page: 1

Probe	Allele +/-			Allele Frequency		
	Allele	Minimum	Maximum	CAU	BLK	SEH
D3S1358	14			1.4040E-01	1.2140E-01	8.3800E-02
D3S1358	15			2.4630E-01	2.9050E-01	3.5340E-01
vWA	14			1.0200E-01	6.6700E-02	6.8800E-02
vWA	16			2.0150E-01	2.6940E-01	2.6880E-01
vWA	17			2.6280E-01	1.8330E-01	3.0420E-01
FGA	21			1.7350E-01	1.2500E-01	1.3610E-01
FGA	23			1.5820E-01	1.2500E-01	1.4920E-01
FGA	24			1.3780E-01	1.8610E-01	1.4660E-01
D8S1179	12			1.4540E-01	1.0830E-01	1.0730E-01
D8S1179	13			3.3930E-01	2.2220E-01	3.5600E-01
D21S11	28			1.6580E-01	2.1510E-01	1.2570E-01
D21S11	29			1.8110E-01	1.8990E-01	2.4080E-01
D21S11	32.2			1.1220E-01	6.9800E-02	1.1520E-01
D18S51	14			1.7350E-01	6.3900E-02	1.3090E-01
D18S51	15			1.2760E-01	1.6670E-01	1.9110E-01
D18S51	17			1.5560E-01	1.6390E-01	1.0730E-01
D5S818	10			4.8700E-02	6.3900E-02	4.5800E-02
D5S818	11			4.1030E-01	2.6110E-01	3.9380E-01
D5S818	12			3.5390E-01	3.5560E-01	3.1670E-01
D13S317	11			3.1890E-01	2.3740E-01	3.0630E-01
D13S317	12			3.0870E-01	4.8320E-01	2.2920E-01
D7S820	10			2.9060E-01	3.2380E-01	2.6670E-01
D7S820	11			2.0200E-01	2.2380E-01	2.2710E-01
CSF1PO	11			3.0050E-01	2.0480E-01	2.9580E-01
CSF1PO	12			3.2510E-01	3.0000E-01	3.5630E-01
TPOX	8			5.4430E-01	3.6840E-01	5.0630E-01
TPOX	11			2.5370E-01	2.2490E-01	2.7710E-01
TH01	6			2.2660E-01	1.0950E-01	2.1250E-01
TH01	8			1.2560E-01	1.8570E-01	1.0420E-01
D16S539	11			2.7230E-01	2.9430E-01	2.8130E-01
D16S539	12			3.3910E-01	1.8660E-01	2.5420E-01

SWH

7.9000E-02
 4.2580E-01
 6.1600E-02
 3.5960E-01
 2.2170E-01
 1.3050E-01
 1.4040E-01
 1.2560E-01
 1.2070E-01
 3.2510E-01
 6.9000E-02
 2.0440E-01

1.3550E-01
1.7000E-01
1.3790E-01
1.3790E-01
6.6500E-02
4.2120E-01
2.9060E-01
2.0200E-01
2.1680E-01
3.0620E-01
2.8950E-01
2.6560E-01
3.9230E-01
5.5500E-01
2.7270E-01
2.3210E-01
8.1300E-02
3.1490E-01
2.8610E-01

Statistics Report

Statistics Report

The Mixture Formula used.

CAU frequency = 1 in 12,550,000
BLK frequency = 1 in 229,900,000
SEH frequency = 1 in 24,710,000
SWH frequency = 1 in 23,060,000

799.99%

Statistics Report

Database: f:\Popstats\Popdata\FBI\STR

Case Type: Forensic Single Sample

Specimen ID: 0303340-19.1T1 & 0303339-19.1T1

DNA Analyst: cvwinkle

Date: July 23, 2003

Page: 1

Probe	Allele +/-		Allele Frequency			
	Allele	Minimum	Maximum	CAU	BLK	SEH
D3S1358	16			2.3150E-01	3.0710E-01	2.4610E-01
D3S1358	17			2.1180E-01	2.0000E-01	1.6230E-01
vWA	16			2.0150E-01	2.6940E-01	2.6880E-01
vWA	18			2.2190E-01	1.3610E-01	1.8750E-01
FGA	18			3.0600E-02	1.3900E-02	1.3100E-02
FGA	21.2			1.2800E-02	1.3900E-02	1.3100E-02
D8S1179	14			2.0150E-01	3.3330E-01	2.1200E-01
D21S11	28			1.6580E-01	2.1510E-01	1.2570E-01
D21S11	30			2.3210E-01	1.7880E-01	2.3820E-01
D18S51	14			1.7350E-01	6.3900E-02	1.3090E-01
D18S51	15			1.2760E-01	1.6670E-01	1.9110E-01
D5S818	11			4.1030E-01	2.6110E-01	3.9380E-01
D5S818	12			3.5390E-01	3.5560E-01	3.1670E-01
D13S317	12			3.0870E-01	4.8320E-01	2.2920E-01
D13S317	13			1.0970E-01	1.2570E-01	1.0830E-01
D7S820	10			2.9060E-01	3.2380E-01	2.6670E-01
D7S820	11			2.0200E-01	2.2380E-01	2.2710E-01
CSF1PO	10			2.5370E-01	2.7140E-01	2.5420E-01
TPOX	8			5.4430E-01	3.6840E-01	5.0630E-01
TH01	6			2.2660E-01	1.0950E-01	2.1250E-01
TH01	9.3			3.0540E-01	1.0480E-01	2.3540E-01
D16S539	11			2.7230E-01	2.9430E-01	2.8130E-01
D16S539	12			3.3910E-01	1.8660E-01	2.5420E-01

SWH
 2.6560E-01
 1.2680E-01
 3.5960E-01
 1.9460E-01
 1.2300E-02
 1.2300E-02
 2.4630E-01
 6.9000E-02
 3.3010E-01
 1.7000E-01
 1.3790E-01
 4.2120E-01
 2.9060E-01
 2.1680E-01
 1.3790E-01
 3.0620E-01
 2.8950E-01
 2.5360E-01
 5.5500E-01
 2.3210E-01

Database: f:\Popstats\Popdata\FBI\STR

Case Type: Forensic Single Sample

Specimen ID: 0303340-19.1T1 & 0303339 -19.1

DNA Analyst: cvwinkle

Date: July 23, 2003

Page: 2

2.4160E-01

3.1490E-01

2.8610E-01

NRC 96 Formula used

CAU frequency = 1 in 866,600,000,000,000

BLK frequency = 1 in 17,980,000,000,000,000

SEH frequency = 1 in 7,013,000,000,000,000

SWH frequency = 1 in 2,435,000,000,000,000

DNA QUANTITATION RESULTS

Analyst:

(uw)

Crime Lab #(s):

0303339

Date:

29 Aug 03

0220540

Sample volumes:

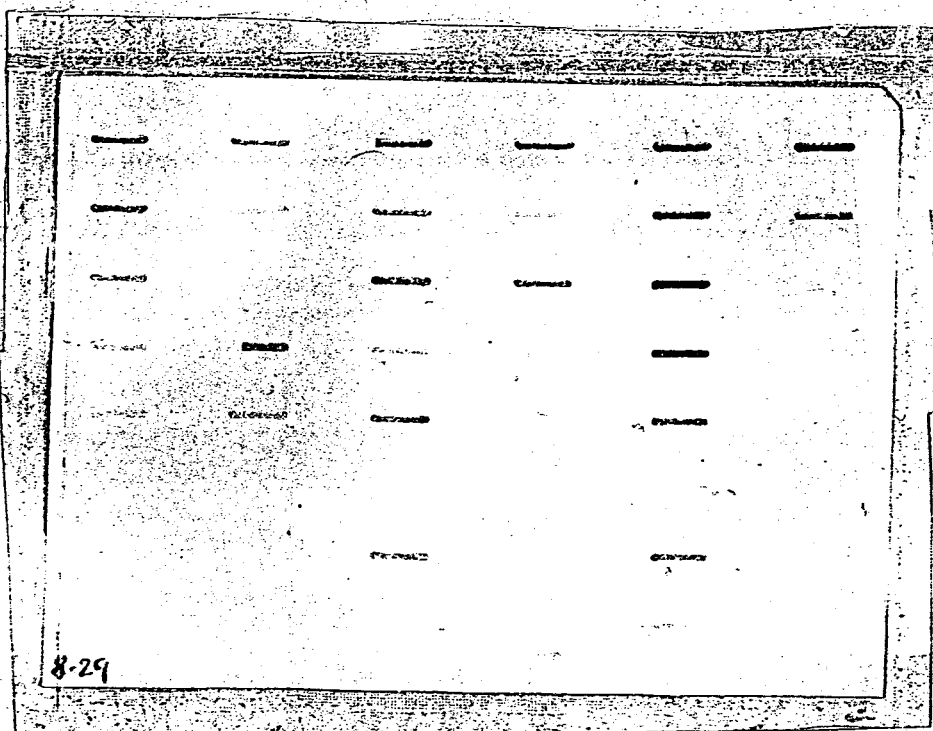
2 μ L

0300065

0301210

	1	2	3	4	5	6
A	10 ng	Calibrator 1-3.5 ng	0300065T 23	→ 9	0301210 26T ₁	→ 31
B	5 ng	Calibrator 2-0.5 ng	23 1:10	9 (1:10)	26T ₁ (1:10)	31 1:10
C	2.5 ng		24	22	26T ₂	
D	1.25 ng	0303339 52	24 1:10	22 (1:10)	26T ₂ (1:10)	
E	0.62 ng	52 (1:10)	26		27	
F	0.31 ng				27 (1:10)	
G	0.15 ng	0220540	020858T 9		28	K Ext ctl.
H	0 ng		9 (1:10)		30	Q Ext ctl.

LUMIGRAPH



AMPLIFICATION AND SAMPLE WELL POSITION WORKSHEET

Date of amplification: 2 Sept 03
Analyst: Circu

Crime Lab #(s): 0301210

Profiler Plus: ☒
COfiler: ☒

0303339

030006T

031210

Master Mix:
189.0 105.0 μL Reaction Mix (# samples X 10.5 μL reaction mix)
9.0 5.0 μL Taq Gold DNA Polymerase (# samples X 0.5 μL Taq)
99.0 55.0 μL Primer Set (# samples X 5.5 μL)

Thermocycler 2400

Front

	2625 PP	2626 -	2627 -	2628 -	2629 -	2630 -	2631 -	2632 -	2633 -	2634 →	
	2635 PP	2636 -	2637 -	2638 -	2639 -	2640 -		2641 9A47A	2642 Neg Amp		
	2633 CO	2634 -	2635 -	2636 -		2639		2631 -	2632 →		
	2620R CO							2631 9A47A	2632 Neg Amp		

Thermocycler 9700

Front

REAGENT LOG

Analyst:

CWCrime Lab Case #: 0303339

Date:

Aug/Sept 2003

Reagent	Lot # / Exp date
Extraction Buffer	042303clp
TE ⁻⁴	123002clp
4M DTT	071902cvw
Proteinase K	061003clp/0304
Phenol:Chloroform:Isoamyl	1148557
QuantiBlot kit	E01526 / 022904
Hydrogen peroxide	022925
Chromogen	D01378 / 033104
Biodyne B	100141
Profiler Plus kit	0211060 / 112203 PP#13 0304067 / 041104 PP#14
COfiler kit	0211043 / 112003 CO #9 0302047 / 032404 CO#10
GS 500 Rox	36095711131
Formamide	0212196
310 Buffer	0304155
POP-4	0303098 / 082803 0306101 30 Nov 03
310 Capillary	MCV04A
Dye Primer Matrix Standard	0302054

DNA EXTRACTION WORKSHEET

Date(s) started: K 7-9-03Crime Lab #(s): 030 333.9Analyst: Q 7-10-03
CW

Quantitation:

Amplification(s):

Amp #	Sample Information	Quant.	ng/μl	μl DNA	μl H ₂ O	μl DNA	μl H ₂ O
	* 19.1 shorts T ₁	~10	~				
2436	1:10	~1.0	0.5	1.0	9.0	1.2	8.8
2437	* 19.1 shorts T ₂	~3.0	1.5	.33	9.67		
	1:10	~.31					
	19.2 T-shirt	>10					
2438	1:10	2.0	1.0	0.5	9.5		
2439	22.7 kitchen drawer	2.0	1.0	0.5	9.5		
	1:10	~1.5					
	22.8 garage floor	>10					
2440	1:10	2.0	1.0	0.5	9.5		
2441	24.1 dishwasher front	2.5	1.25	0.4	9.6		
		~1.5					
2442	* 25.8 steering wheel	3.0	1.5	.33	9.67		
	1:10	~.31					
2443	25.19 T ₁ Seat belt	1.25	.625	0.8	9.2		
2444	32 knife blade	1.0	0.5	1.0	9.0		
2445	33 17A tile subbs	2.0	1.0	0.5	9.5		
2431	Q cix Ext cont			10	—	10	—
2430	Q Ext cont			10	—	10	—
2432	K Ext cont			1.0	9.0	1.0	9.0

Organic Extraction: ✓ Q#s 22.8, 25.19

Extract Disposition: _____

Chelex Extraction: ✓ K, 22.8 19.1-22.7, 24.1, 25.8, 32, 33
CWComments: * Cix Microcon

DNA EXTRACTION WORKSHEET

Date(s) started: K 7-5-03Crime Lab #(s): 0303339Analyst: CW

Quantitation:

Amplification(s):

PP:

Co:

Amp #	Sample Information	Quant.	ng/ul	ul DNA	ul H2O	ul DNA	ul H2O
	27T ₁ shirt	5.0					
2446	1:10	~0.5	.25	2.0	8.0		
2447	27T ₂ shirt	~8.0	4.0	0.13	9.67		
	27T ₃ shirt	5.0					
2448	1:10	0.5	.25	2.0	8.0		
2449	27T ₄ shirt	~3.0	1.5	.33	9.67	.35	9.65
	1:10	~1.5					
2450	27T ₅ shirt	q		10	-		
2451	30T ₁ jeans pocket	2.0	1.0	0.5	9.5	0.7	9.3
2451R				0.7	9.3		
2452	30T ₂ jeans pocket	~4.0	2.0	0.2	9.8	0.3	9.7
2452R				0.3	9.8		
2453	30T ₃ jeans	>10					
2453	1:10	3.0	1.5	.33	9.67		
2454	30T ₄ jeans	2.0	1.0	0.5	9.5		
	30T ₆ jeans	~20					
2455	1:10	~2.0	1.0	0.5	9.5		
2456	20 Patricia Syrene	0.5	.25	2.0	8.0	1.75	8.25
2457	21 Bill Crutsinger	2.5	1.25	0.4	9.6	0.3	9.7

Organic Extraction: ✓ 27.2, 27.5, 30T₁-30T₆

Extract Disposition: _____

Chelex Extraction: ✓ K 27.1, 27.3, 27.4

Comments: _____

DNA QUANTITATION RESULTS

Analyst:

7-1103

Date:

CLP / Cvw

Sample volumes:

2ul

Crime Lab #(s):

010679T

011866T

0305136

0305837

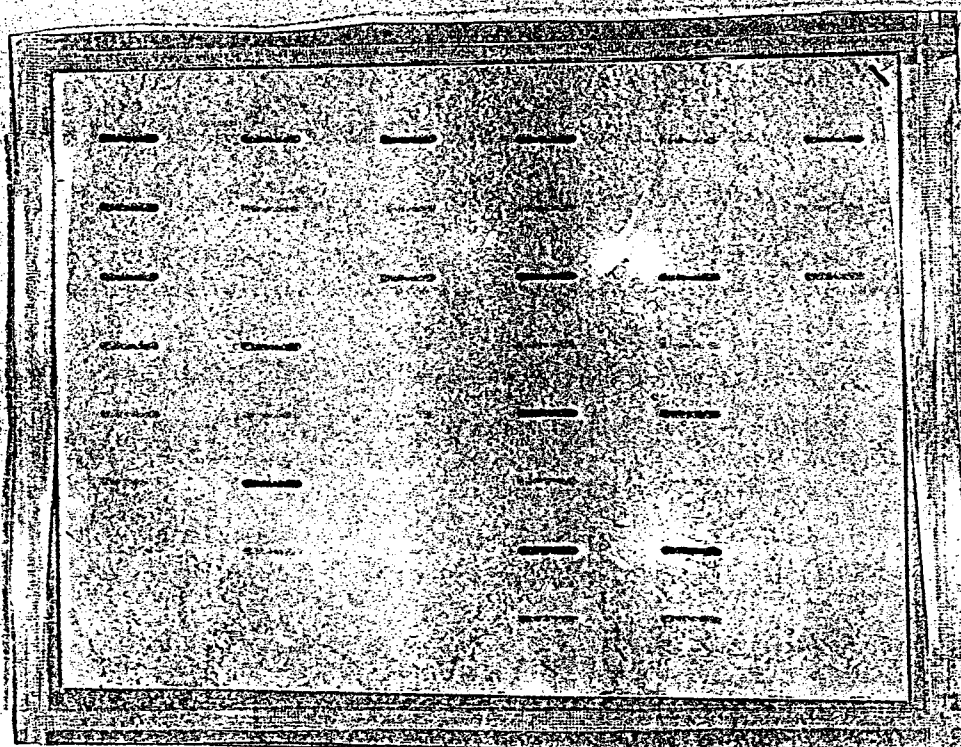
0305330

0303339

0303340

	1	2	3	4	5	6
A	10 ng	Calibrator 1-3.5 ng	010679T 26	→ 30	0303339 20	0305330 1.4
B	5 ng	Calibrator 2-0.5 ng	26 1:10	30 1:10	20 1:10	1.4 1:10
C	2.5 ng		27	0305136 8.9	21	8
D	1.25 ng	011866T K1	27 1:10	8.9 1:10	21 1:10	8 1:10
E	0.62 ng	K1 1:10	28	9	0303340 16	
F	0.31 ng	K2	28 1:10	9 1:10	16 1:10	
G	0.15 ng	K2 1:10	29	0305837 12	→ 13	
H	0 ng		29 1:10	12 1:10	13 1:10	K-Extctd

LUMIGRAPH



NA QUANTIFICATION CHART

Analyst:

Cvu

Crime Lab #(s):

0305804

0305330

Date:

15 July 03

Sample volumes:

2 μ L

0305806

0303339

0203115

0303340

0305136

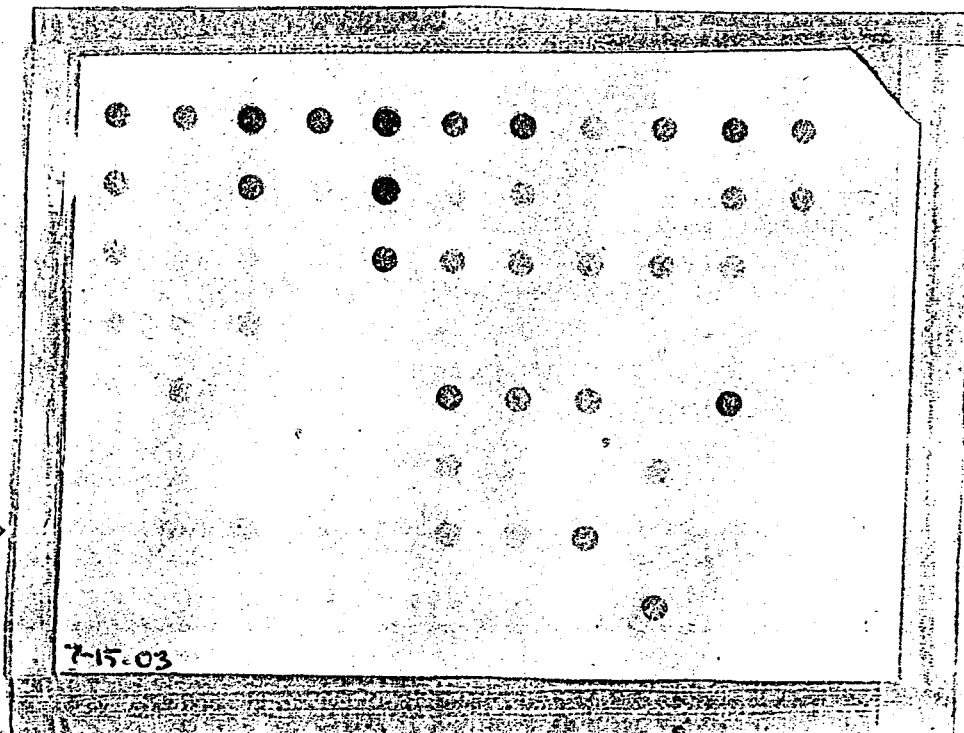
0305837

	1	2	3	4	5	6	7	8	9	10	11	12
A	10 ng	Calibrator 1-3.5 ng	0305136 7 EU	0305330 1.1 EU	0305837 3 EU	0303339 19.1 T ₁	22.8	32	277 ₃	307 ₃	0303340 19.1 T ₁	
B	5 ng	Calibrator 2-0.5 ng	7 EU (1:10)	1.1 EU (1:10)	3 EU (1:10)	19.1 T ₁ (1:10)	22.8 1:10	32 (1:10)	277 ₃ (1:10)	307 ₃ (1:10)	19.3 T ₁	
C	2.5 ng		7 EC2	1.1 EU (1:100)	3 EU (1:100)	19.1 T ₂	24.1	33	277 ₄	307 ₄		
D	1.25 ng	0305806 1	7 sp	1.1 EC2	3 EC2	19.1 T ₂ (1:10)	24.1 (1:10)	33 (1:10)	277 ₄ (1:10)	307 ₄ (1:10)		EC1 Extchl.
E	0.62 ng	0305804 1	7 sp (1:10)	1.1 sp	3 sp	19.2	25.8	277 ₁	277 ₅	307 ₆		EC2 Extchl.
F	0.31 ng	1 (1:10)			2 EC1	19.2 (1:10)	25.8 (1:10)	277 ₁ (1:10)	307 ₁			Sp Extchl.
G	0.15 ng	0203115 48	0306033 1.1 T ₁	0305837 8	2 EC2	22.7	25.19	277 ₂	307 ₁ (1:10)			Q Extchl. Q _{ex}
H	0 ng	48 (1:10)	1.2 T ₁		2 sp	22.7 (1:10)		277₂ (1:10)	307 ₂			Q Extchl. Q _{org}

0303339

QW

15 July 03



AMPLIFICATION AND SAMPLE WELL POSITION WORKSHEET

Date of amplification: 15 July 03Analyst: CW

Crime Lab #(s):

0203115 03033390306033 03033400305804 03053300305806 03058370106797 03051360118667Profiler Plus: ☒COfiler: ☐

Master Mix:

598.5 μ L Reaction Mix (# samples X 10.5 μ L reaction mix)28.5 μ L Taq Gold DNA Polymerase (# samples X 0.5 μ L Taq)313.5 μ L Primer Set (# samples X 5.5 μ L)

Thermocycler 2400

Front

	2426	2427A	2427B	2428	2429	2430	2431	2432	2433	2434	2435
	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	
	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	
	2476	2477	2478	2479	2480	2481					
	2456	2457	2458 (Cuv)	2459	2460	2461	2462	2463	2464	2465	
	2466	2467 (9947A)	2468 (8 Amp)	2469	2470	2471	2472	2473	2474	2475	

Thermocycler 9700

Front

AMPLIFICATION AND SAMPLE WELL POSITION WORKSHEET

Date of amplification: 21 July 03
Analyst: Cow

Crime Lab #(s): 030004T 030333S
0203115 0303340
0306033 0305330
0305804 0305136
0305806

Profiler Plus: ☒

COfiler: ☒

Master Mix:
 PP CO
 84.0 294.0 μL Reaction Mix (# samples X 10.5 μL reaction mix)
 4.0 14.0 μL Taq Gold DNA Polymerase (# samples X 0.5 μL Taq)
 44 154.0 μL Primer Set (# samples X 5.5 μL)

Thermocycler 2400

Front

	2451R PP	2452R PP	2482 PP	2483 PP	2484 PP	2485 PP		2486 PP 99474	2487 PP 0 Amp		
	2382 CO		2426 CO	2427A CO	2427B CO	2428 CO	2429 CO		2430	2431	2432
	2436 CO	2449 CO	2451 CO	2452 CO	2456 CO	2457 CO	2458 CO	2462 CO	2461 CO	2469 CO	2471 CO
	2463 CO	2464 CO	2465 CO	2466 CO		(9947A) 2467 CO	0 Amp 2468 CO		2479 CO	2481 CO	

Thermocycler 9700

Front